U.S. ENVIRONMENTAL PROTECTION AGENCY
SPCC FIELD INSPECTION AND PLAN REVIEW CHECKLIST

Coastal Energy Corporation, Willow Springs, Missouri

Overview of the Checklist

This checklist is designed to assist EPA inspectors in conducting a thorough and nationally consistent inspection of a facility's compliance with the Spill Prevention, Control, and Countermeasure (SPCC) rule at 40 CFR part 112. It is a required tool to help federal inspectors (or their contractors) record observations for the site inspection and review of the SPCC Plan. While the checklist is meant to be comprehensive, the inspector should always refer to the SPCC rule in its entirety, the SPCC Regional Inspector Guidance Document, and other relevant guidance for evaluating compliance. This checklist must be completed in order for an inspection to count toward an agency measure (i.e., OEM inspection measures or GPRA). The completed checklist and supporting documentation (i.e. photo logs or additional notes) serve as the inspection report.

This checklist addresses requirements for onshore facilities including Tier II Qualified Facilities (excluding facilities involved in oil drilling, production and workover activities) that meet the eligibility criteria set forth in §112.3(g)(2).

Qualified facilities must meet the rule requirements in §112.6 and other applicable sections specified in §112.6, except for deviations that provide environmental equivalence and secondary containment impracticability determinations as allowed under §112.6.

The checklist is organized according to the SPCC rule. Each item in the checklist identifies the relevant section and paragraph in 40 CFR part 112 where that requirement is stated.

- Sections 112.1 through 112.5 specify the applicability of the rule and requirements for the preparation, implementation, and amendment of SPCC Plans. For these sections, the checklist includes data fields to be completed, as well as several questions with "yes," "no" or "NA" answers.
- Section 112.6 includes requirements for qualified facilities. These provisions are addressed in Attachment D.
- Section 112.7 includes general requirements that apply to all facilities (unless otherwise excluded).
- Sections 112.8 and 112.12 specify requirements for spill prevention, control, and countermeasures for onshore facilities (excluding production facilities).

The inspector needs to evaluate whether the requirement is addressed adequately or inadequately in the SPCC Plan and whether it is implemented adequately in the field (either by field observation or record review). For the SPCC Plan and implementation in the field, if a requirement is addressed adequately, mark the "Yes" box in the appropriate column. If a requirement is not addressed adequately, mark the "No" box. If a requirement does not apply to the particular facility or the question asked is not appropriate for the facility, mark as "NA". Discrepancies or descriptions of inspector interpretation of "No" vs. "NA" may be documented in the comments box subsequent to each section. If a provision of the rule applies only to the SPCC Plan, the "Field" column is shaded.

Space is provided throughout the checklist to record comments. Additional space is available as Attachment E at the end of the checklist. Comments should remain factual and support the evaluation of compliance.

Attachments

- Attachment A is for recording information about containers and other locations at the facility that require secondary containment.
- Attachment B is a checklist for documentation of the tests and inspections the facility operator is required to keep with the SPCC Plan.
- Attachment C is a checklist for oil spill contingency plans following 40 CFR 109. Unless a facility has submitted a Facility Response Plan (FRP) under 40 CFR 112.20, a contingency plan following 40 CFR 109 is required if a facility determines that secondary containment is impracticable as provided in 40 CFR 112.7(d). The same requirement for an oil spill contingency plan applies to the owner or operator of a facility with qualified oil-filled operational equipment that chooses to implement alternative requirements instead of general secondary containment requirements as provided in 40 CFR 112.7(k).
- Attachment D is a checklist for Tier II Qualified Facilities.
- Attachment E is for recording additional comments or notes.
- Attachment F is for recording information about photos.

FACILITY INFORMATION

FACILITY NAME: Coastal Energy Corporation

LATITUDE: 36.975715	LONGITUDE: -91.952543	GPS DATUM: WGS84
Section/Township/Range: NE1/4, S32, T27N, R9W	FRS#/OIL DATABASE ID:	ICIS#:

ADDRESS: 232 Burnham Road

CITY: Willow Springs	STATE: MO	ZIP: 65793	COUNTY: Howell

MAILING ADDRESS (IF DIFFERENT FROM FACILITY ADDRESS – IF NOT, PRINT "SAME"): PO Box 218

CITY:	STATE:	ZIP:	COUNTY:

TELEPHONE: 417-469-2777	FACILITY CONTACT NAME/TITLE: Gary Picard, Safety Officer

OWNER NAME: Coastal Energy Corp.

OWNER ADDRESS: PO Box 218, 1 Coastal Drive

CITY: Willow Springs	STATE: MO	ZIP: 65793	COUNTY: Howell

TELEPHONE: 417-469-2777	FAX:	EMAIL:

FACILITY OPERATOR NAME (IF DIFFERENT FROM OWNER – IF NOT, PRINT "SAME"): same

OPERATOR ADDRESS: same

CITY:	STATE:	ZIP:	COUNTY:

TELEPHONE:	OPERATOR CONTACT NAME/TITLE:

FACILITY TYPE: ethanol, liquid asphalt, fuel oil, polymer storage	SIC CODE: 1422
HOURS PER DAY FACILITY ATTENDED: 10-12 hrs/day	TOTAL FACILITY CAPACITY: 2,812,000 gallons

TYPE(S) OF OIL STORED: ethanol, liquid asphalt, fuel oil

LOCATED IN INDIAN COUNTRY? ☐ YES ☑ NO RESERVATION NAME:

INSPECTION/PLAN REVIEW INFORMATION

PLAN REVIEW DATE: 2/14/2014	REVIEWER NAME: Paul Doherty	
INSPECTION DATE: 2/10/2014	TIME: 11:00 AM	ACTIVITY ID NO:

LEAD INSPECTOR: Paul Doherty

OTHER INSPECTOR(S): Heath Smith

INSPECTION ACKNOWLEDGMENT

I performed an SPCC inspection at the facility specified above.

INSPECTOR SIGNATURE:	DATE: 2/18/2014
SUPERVISOR REVIEW/SIGNATURE:	DATE: 2/19/14

SPCC GENERAL APPLICABILITY—40 CFR 112.1

IS THE FACILITY REGULATED UNDER 40 CFR part 112?

The completely buried oil storage capacity is over 42,000 U.S. gallons, **OR** the aggregate aboveground oil storage capacity is over 1,320 U.S. gallons **AND** — ☑ Yes ☐ No

The facility is a non-transportation-related facility engaged in drilling, producing, gathering, storing, processing, refining, transferring, distributing, using, or consuming oil and oil products, which due to its location could reasonably be expected to discharge oil into or upon the navigable waters of the United States — ☑ Yes ☐ No

AFFECTED WATERWAY(S): Eleven Point River	DISTANCE: 200 feet

FLOW PATH TO WATERWAY: surface drainage to Eleven Point River located 200 feet north of tanks.

Note: The following storage capacity is not considered in determining applicability of SPCC requirements:

- *Equipment subject to the authority of the U.S. Department of Transportation, U.S. Department of the Interior, or Minerals Management Service, as defined in Memoranda of Understanding dated November 24, 1971, and November 8, 1993; Tank trucks that return to an otherwise regulated facility that contain only residual amounts of oil (EPA Policy letter)*
- *Completely buried tanks subject to all the technical requirements of 40 CFR part 280 or a state program approved under 40 CFR part 281;*
- *Underground oil storage tanks deferred under 40 CFR part 280 that supply emergency diesel generators at a nuclear power generation facility licensed by the Nuclear Regulatory Commission (NRC) and subject to any NRC provision regarding design and quality criteria, including but not limited to CFR part 50;*
- *Any facility or part thereof used exclusively for wastewater treatment (production, recovery or recycling of oil is not considered wastewater treatment); (This does not include other oil containers located at a wastewater treatment facility, such as generator tanks or transformers)*
- *Containers smaller than 55 U.S. gallons;*
- *Permanently closed containers (as defined in §112.2);*
- *Motive power containers(as defined in §112.2);*
- *Hot-mix asphalt or any hot-mix asphalt containers;*
- *Heating oil containers used solely at a single-family residence;*
- *Pesticide application equipment and related mix containers;*
- *Any milk and milk product container and associated piping and appurtenances; and*
- *Intra-facility gathering lines subject to the regulatory requirements of 49 CFR part 192 or 195.*

es the facility have an SPCC Plan? ☑ Yes ☐ No

ACILITY RESPONSE PLAN (FRP) APPLICABILITY—40 CFR 112.20(f)

A non-transportation related onshore facility is required to prepare and implement an FRP as outlined in 40 CFR 112.20 if:

- ☐ The facility transfers oil over water to or from vessels and has a total oil storage capacity greater than or equal to 42,000 U.S. gallons, **OR**
- ☑ The facility has a total oil storage capacity of at least 1 million U.S. gallons, **AND** at least one of the following is true:
  - ☐ The facility does not have secondary containment sufficiently large to contain the capacity of the largest aboveground tank plus sufficient freeboard for precipitation.
  - ☑ The facility is located at a distance such that a discharge could cause injury to fish and wildlife and sensitive environments.
  - ☐ The facility is located such that a discharge would shut down a public drinking water intake.
  - ☐ The facility has had a reportable discharge greater than or equal to 10,000 U.S. gallons in the past 5 years.

Facility has FRP: ☐ Yes ☑ No ☐ NA	FRP Number:

Facility has a completed and signed copy of Appendix C, Attachment C-II, "Certification of the Applicability of the Substantial Harm Criteria." ☑ Yes ☐ No

Comments: The SPCC plan contains a signed Certification of Substantial Harm that erroneously concludes that a worst-case discharge would not threaten harm to fish, wildlife, and sensitive environments. The certification was based on the assumption that secondary containment would prevent a discharge to the Eleven Point River. The Eleven Point River is a nationally designated wild and scenic river and is located adjacent to, and within 200 feet of the bulk storage tanks. The facility was informed at the time of the inspection that regulations do not allow secondary containment to be taken into consideration when evaluating a worst-case discharge pathway.

SPCC TIER II QUALIFIED FACILITY APPLICABILITY—40 CFR 112.3(g)(2)

e aggregate aboveground oil storage capacity is 10,000 U.S. gallons or less **AND** — ☐ Yes ☑ No

ne three years prior to the SPCC Plan self-certification date, or since becoming subject to the rule (if the acility has been in operation for less than three years), the facility has **NOT** had:

• A single discharge as described in §112.1(b) exceeding 1,000 U.S. gallons, **OR**	☐ Yes ☐ No
• Two discharges as described in §112.1(b) each exceeding 42 U.S. gallons within any twelve-month period[1]	☐ Yes ☐ No

IF *YES* TO ALL OF THE ABOVE, THEN THE FACILITY IS A TIER II QUALIFIED FACILITY[2]
SEE ATTACHMENT D FOR TIER II QUALIFIED FACILITY CHECKLIST

REQUIREMENTS FOR PREPARATION AND IMPLEMENTATION OF A SPCC PLAN—40 CFR 112.3

Date facility began operations: 2002

Date of initial SPCC Plan preparation: unknown

Current Plan version (date/number): December 2009

112.3(a)	**For facilities (except farms), including mobile or portable facilities:**	
	• In operation on or prior to November 10, 2011: Plan prepared and/or amended and fully implemented by **November 10, 2011**	☑ Yes ☐ No ☐ NA
	• Beginning operations after November 10, 2011, Plan prepared and fully implemented before beginning operations	☐ Yes ☐ No ☑ NA
	For farms (as defined in §112.2):	
	• In operation on or prior to August 16, 2002: Plan maintained, amended and implemented by **May 10, 2013**	☐ Yes ☐ No ☑ NA
	• Beginning operations after August 16, 2002 through May 10, 2013: Plan prepared and fully implemented by **May 10, 2013**	☐ Yes ☐ No ☑ NA
	• Beginning operations after May 10, 2013: Plan prepared and fully implemented before beginning operations	☐ Yes ☐ No ☑ NA
112.3(d)	Plan is certified by a registered Professional Engineer (PE) and includes statements that the PE attests:	☑ Yes ☐ No ☐ NA
	• PE is familiar with the requirements of 40 CFR part 112	☑ Yes ☐ No ☐ NA
	• PE or agent has visited and examined the facility	☐ Yes ☑ No ☐ NA
	• Plan is prepared in accordance with good engineering practice including consideration of applicable industry standards and the requirements of 40 CFR part 112	☐ Yes ☑ No ☐ NA
	• Procedures for required inspections and testing have been established	☐ Yes ☑ No ☐ NA
	• Plan is adequate for the facility	☐ Yes ☑ No ☐ NA

PE Name: Russell Doss	License No.: E-28272	State: M)	Date of certification: 12/16/2009

112.3(e)(1)	Plan is available onsite if attended at least 4 hours per day. If facility is unattended, Plan is available at the nearest field office. *(Please note nearest field office contact information in comments section below.)*	☑ Yes ☐ No ☐ NA

Comments: The PE Certification statement is deficient as it does not address all the requirements for a PE Certification Statement.

AMENDMENT OF SPCC PLAN BY REGIONAL ADMINISTRATOR (RA)—40 CFR 112.4

112.4(a),(c)	Has the facility discharged more than 1,000 U.S. gallons of oil in a single reportable discharge or more than 42 U.S. gallons in each of two reportable discharges in any 12-month period?[3]	☐ Yes ☑ No
If **YES**	• Was information submitted to the RA as required in §112.4(a)?[4]	☐ Yes ☐ No ☑ NA
	• Was information submitted to the appropriate agency or agencies in charge of oil pollution control activities in the State in which the facility is located§112.4(c)	☐ Yes ☐ No ☑ NA
	• Date(s) and volume(s) of reportable discharges(s) under this section: _____	
	• Were the discharges reported to the NRC[5]?	☐ Yes ☑ No

[1] Oil discharges that result from natural disasters, acts of war, or terrorism are not included in this determination. The gallon amount(s) specified (either 1,000 or 42) refers to the amount of oil that actually reaches navigable waters or adjoining shorelines not the total amount of oil spilled. The entire volume of the discharge is oil for this determination.

[2] An owner/operator who self-certifies a Tier II SPCC Plan may include environmentally equivalent alternatives and/or secondary containment impracticability determinations when reviewed and certified by a PE.

[3] A reportable discharge is a discharge as described in §112.1(b)(see 40 CFR part 110). The gallon amount(s) specified (either 1,000 or 42) refers to the amount of oil that actually reaches navigable waters or adjoining shorelines not the total amount of oil spilled. The entire volume of the discharge is oil for this determination.

[4] Triggering this threshold may disqualify the facility from meeting the Qualified Facility criteria if it occurred in the three years prior to self certification

[5] Inspector Note-Confirm any spills identified above were reported to NRC

112.4(d),(e)	Have changes required by the RA been implemented in the Plan and/or facility?	☐ Yes ☐ No ☑ NA

Comments: EPA is not aware of any spill history that would warrant amendments to the SPCC Plan.

AMENDMENT OF SPCC PLAN BY THE OWNER OR OPERATOR—40 CFR 112.5

112.5(a)	Has there been a change at the facility that materially affects the potential for a discharge described in §112.1(b)?	☑ Yes ☐ No
If YES	• Was the Plan amended within six months of the change?	☐ Yes ☑ No
	• Were amendments implemented within six months of any Plan amendment?	☐ Yes ☑ No
112.5(b)	Review and evaluation of the Plan completed at least once every 5 years?	☐ Yes ☐ No ☑ NA
	Following Plan review, was Plan amended within six months to include more effective prevention and control technology that has been field-proven to significantly reduce the likelihood of a discharge described in §112.1(b)?	☐ Yes ☐ No ☑ NA
	Amendments implemented within six months of any Plan amendment?	☐ Yes ☐ No ☑ NA
	Five year Plan review and evaluation documented?	☐ Yes ☐ No ☑ NA
112.5(c)	Professional Engineer certification of any technical Plan amendments in accordance with all applicable requirements of §112.3(d) *[Except for self-certified Plans]*	☐ Yes ☐ No ☑ NA

Name:	License No.:	State:	Date of certification:

Reason for amendment: There are no SPCC Plan amendments

Comments: The Plan is overdue for amendments due to changes at the facility which materially affect the potential for discharge. General secondary containment drainage procedures were changed due to state prohibitions against discharging storm water to the Eleven Point River however the plan has not been modified to reflect the current procedures. Additional ASTs have been added that are not on the current plan – there are currently 37 tanks on site and the SPCC plan lists 29 tanks on site.

GENERAL SPCC REQUIREMENTS—40 CFR 112.7		PLAN	FIELD
	Management approval at a level of authority to commit the necessary resources to fully implement the Plan[6]	☑ Yes ☐ No	
	Plan follows sequence of the rule or is an equivalent Plan meeting all applicable rule requirements and includes a cross-reference of provisions	☐ Yes ☑ No ☐ NA	
	If Plan calls for facilities, procedures, methods, or equipment not yet fully operational, details of their installation and start-up are discussed *(Note: Relevant for inspection evaluation and testing baselines.)*	☐ Yes ☐ No ☑ NA	
112.7(a)(2)	The Plan includes deviations from the requirements of §§112.7(g), (h)(2) and (3), and (i) and applicable subparts B and C of the rule, except the secondary containment requirements in §§112.7(c) and (h)(1), 112.8(c)(2),112.8(c)(11), 112.12(c)(2), and 112.12(c)(11)	☐ Yes ☑ No ☐ NA	
If YES	• The Plan states reasons for nonconformance	☐ Yes ☐ No ☑ NA	
	• Alternative measures described in detail and provide equivalent environmental protection *(Note: Inspector should document if the environmental equivalence is implemented in the field, in accordance with the Plan's description)*	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☐ NA

Describe each deviation and reasons for nonconformance: The plan does not identify any non-functional equipment or procedures. No plan deviations are mentioned. No alternative measures are discussed.

112.7(a)(3)	Plan describes physical layout of facility and includes a diagram[7] that identifies: • Location and contents of all regulated fixed oil storage containers • Storage areas where mobile or portable containers are located • Completely buried tanks otherwise exempt from the SPCC requirements (marked as "exempt") • Transfer stations • Connecting pipes, including intra-facility gathering lines that are otherwise exempt from the requirements of this part under §112.1(d)(11)	☐ Yes ☑ No	☐ Yes ☑ No

[6] May be part of the Plan or demonstrated elsewhere.
[7] Note in comments any discrepancies between the facility diagram, the description of the physical layout of facility, and what is observed in the field

	Plan addresses each of the following:		
(i)	For each fixed container, type of oil and storage capacity (see Attachment A of this checklist). For mobile or portable containers, type of oil and storage capacity for each container or an estimate of the potential number of mobile or portable containers, the types of oil, and anticipated storage capacities	☐ Yes ☑ No	☐ Yes ☑ No
(ii)	Discharge prevention measures, including procedures for routine handling of products (loading, unloading, and facility transfers, etc.)	☑ Yes ☐ No	☐ Yes ☑ No
(iii)	Discharge or drainage controls, such as secondary containment around containers, and other structures, equipment, and procedures for the control of a discharge	☑ Yes ☐ No	☐ Yes ☑ No
(iv)	Countermeasures for discharge discovery, response, and cleanup (both facility's and contractor's resources)	☑ Yes ☐ No	☐ Yes ☑ No
(v)	Methods of disposal of recovered materials in accordance with applicable legal requirements	☑ Yes ☐ No	
(vi)	Contact list and phone numbers for the facility response coordinator, National Response Center, cleanup contractors with an agreement for response, and all Federal, State, and local agencies who must be contacted in the case of a discharge as described in §112.1(b)	☐ Yes ☑ No	
112.7(a)(4)	*Does not apply if the facility has submitted an FRP under §112.20:* ☑ Yes ☐ No ☐ NA Plan includes information and procedures that enable a person reporting an oil discharge as described in §112.1(b) to relate information on the: • Exact address or location and phone number of the facility; • Date and time of the discharge; • Type of material discharged; • Estimates of the total quantity discharged; • Estimates of the quantity discharged as described in §112.1(b); • Source of the discharge; • Description of all affected media; • Cause of the discharge; • Damages or injuries caused by the discharge; • Actions being used to stop, remove, and mitigate the effects of the discharge; • Whether an evacuation may be needed; and • Names of individuals and/or organizations who have also been contacted.		
112.7(a)(5)	*Does not apply if the facility has submitted a FRP under §112.20:* Plan organized so that portions describing procedures to be used when a discharge occurs will be readily usable in an emergency	☐ Yes ☑ No ☐ NA	
112.7(b)	Plan includes a prediction of the direction, rate of flow, and total quantity of oil that could be discharged for each type of major equipment failure where experience indicates a reasonable potential for equipment failure	☐ Yes ☑ No ☐ NA	
Comments: **The section on Spill Documentation and Reporting does not identify all elements of 112.7(a)(4) listed above. The telephone numbers for EPA and MDNR spill reporting is incorrect. The wrong attachment is referenced for Spill Report Form and Instructions. SPCC drainage control procedures do not accurately describe actual drainage control procedures. There is no site map or figure depicting the location, size and contents of the storage tanks.**			
112.7(c)	Appropriate containment and/or diversionary structures or equipment are provided to prevent a discharge as described in §112.1(b), except as provided in §112.7(k) of this section for certain qualified operational equipment. The entire containment system, including walls and floors, are capable of containing oil and are constructed to prevent escape of a discharge from the containment system before cleanup occurs. The method, design, and capacity for secondary containment address the typical failure mode and the most likely quantity of oil that would be discharged. See Attachment A of this checklist. For onshore facilities, one of the following or its equivalent: • Dikes, berms, or retaining walls sufficiently impervious to contain oil; • Curbing or drip pans; • Sumps and collection systems; • Culverting, gutters or other drainage systems; • Weirs, booms or other barriers; • Spill diversion pond; • Retention ponds; or • Sorbent materials.		
	Identify which of the following are present at the facility and if appropriate containment and/or diversionary structures or equipment are provided as described above:		

	☑ Bulk storage containers	☑ Yes ☑ No ☐ NA	☑ Yes ☑ No ☐ NA
	☐ Mobile/portable containers	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	☑ Oil-filled operational equipment (as defined in 112.2)	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	☑ Other oil-filled equipment (i.e., manufacturing equipment)	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	☐ Piping and related appurtenances	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
	☑ Mobile refuelers or non-transportation-related tank cars	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	☑ Transfer areas, equipment and activities	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
	☐ Identify any other equipment or activities that are not listed above: _____	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
112.7(d)	Secondary containment for one (or more) of the following provisions is determined to be impracticable: ☐ General secondary containment §112.7(c) ☐ Loading/unloading rack §112.7(h)(1) ☐ Bulk storage containers §§112.8(c)(2)/112.12(c)(2) ☐ Mobile/portable containers §§112.8(c)(11)/ 112.12(c)(11)	☐ Yes ☑ No	
If YES	• The impracticability of secondary containment is clearly demonstrated and described in the Plan	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	• For bulk storage containers,[8] periodic integrity testing of containers and integrity and leak testing of the associated valves and piping is conducted	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	(Does not apply if the facility has submitted a FRP under §112.20): • Contingency Plan following the provisions of 40 CFR part 109 is provided (see Attachment C of this checklist) AND	☐ Yes ☐ No ☑ NA	
	• Written commitment of manpower, equipment, and materials required to expeditiously control and remove any quantity of oil discharged that may be harmful	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☐ NA

Comments: **The SPCC plan identifies 29 bulk storage tanks but there are 37 bulk tanks on site. Some bulk tanks are not equipped with sized secondary containment but no impracticability claims are made. There are no mobile containers. There is a transformer on site and piping and related appurtenances that are not addressed in the plan. There are loading racks for rail cars and tank trucks that are not equipped with sized secondary containment but the plans makes no claims for impracticability as the plan relies on general secondary containment, i.e., a berm surrounding the property, for containment.**

		PLAN	FIELD
112.7(e)	Inspections and tests conducted in accordance with written procedures	☑ Yes ☐ No	☐ Yes ☑ No
	Record of inspections or tests signed by supervisor or inspector	☐ Yes ☑ No	☐ Yes ☑ No
	Kept with Plan for at least 3 years (see Attachment B of this checklist)[9]	☑ Yes ☐ No	☐ Yes ☑ No
112.7(f)	Personnel, training, and oil discharge prevention procedures		
(1)	Training of oil-handling personnel in operation and maintenance of equipment to prevent discharges; discharge procedure protocols; applicable pollution control laws, rules, and regulations; general facility operations; and contents of SPCC Plan	☑ Yes ☐ No ☐ NA	☐ Yes ☑ No ☐ NA

[8] These additional requirements apply only to bulk storage containers, when an impracticability determination has been made by the PE

[9] Records of inspections and tests kept under usual and customary business practices will suffice

(2)	Person designated as accountable for discharge prevention at the facility and reports to facility management	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
(3)	Discharge prevention briefings conducted at least once a year for oil handling personnel to assure adequate understanding of the Plan. Briefings highlight and describe known discharges as described in §112.1(b) or failures, malfunctioning components, and any recently developed precautionary measures	☑ Yes ☐ No ☐ NA	☐ Yes ☑ No ☐ NA
112.7(g)	Plan describes how to: • Secure and control access to the oil handling, processing and storage areas; • Secure master flow and drain valves; • Prevent unauthorized access to starter controls on oil pumps; • Secure out-of-service and loading/unloading connections of oil pipelines; and • Address the appropriateness of security lighting to both prevent acts of vandalism and assist in the discovery of oil discharges.	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
112.7(h)	Tank car and tank truck loading/unloading rack[10] is present at the facility *Loading/unloading rack* means a fixed structure (such as a platform, gangway) necessary for loading or unloading a tank truck or tank car, which is located at a facility subject to the requirements of this part. A loading/unloading rack includes a loading or unloading arm, and may include any combination of the following: piping assemblages, valves, pumps, shut-off devices, overfill sensors, or personnel safety devices.		☑ Yes ☐ No
If YES (1)	Does loading/unloading rack drainage flow to catchment basin or treatment facility designed to handle discharges or use a quick drainage system?	☐ Yes ☑ No ☐ NA	☑ Yes ☐ No ☐ NA
	Containment system holds at least the maximum capacity of the largest single compartment of a tank car/truck loaded/unloaded at the facility	☐ Yes ☑ No ☐ NA	☑ Yes ☐ No ☐ NA
(2)	An interlocked warning light or physical barriers, warning signs, wheel chocks, or vehicle brake interlock system in the area adjacent to the loading or unloading rack to prevent vehicles from departing before complete disconnection of flexible or fixed oil transfer lines	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
(3)	Lower-most drains and all outlets on tank cars/trucks inspected prior to filling/departure, and, if necessary ensure that they are tightened, adjusted, or replaced to prevent liquid discharge while in transit	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA

Comments: **The facility is serviced by a rail spur but tank car loading and unloading containment is not addressed by the plan. Tanker truck loading and unloading sized containment is not addressed. Both areas are equipped with loading racks that are not addressed b the plan. The site visit determined that containment for both areas is provided by general secondary containment that is contained and discharged to a permitted land application area but water is not inspected prior to discharge and no records are maintained. Truck loading and/or offloading procedures are not addressed in the plan.**

		PLAN	FIELD
112.7(i)	Brittle fracture evaluation of field-constructed aboveground containers is conducted after tank repair, alteration, reconstruction, or change in service that might affect the risk of a discharge or after a discharge/failure due to brittle fracture or other catastrophe, and appropriate action taken as necessary (applies to only field-constructed aboveground containers)	☐ Yes ☑ No ☐ NA	☐ Yes ☐ No ☑ NA
112.7(j)	Discussion of conformance with applicable more stringent State rules, regulations, and guidelines and other effective discharge prevention and containment procedures listed in 40 CFR part 112	☐ Yes ☑ No ☐ NA	
112.7(k)	Qualified oil-filled operational equipment is present at the facility[11]		☑ Yes ☐ No

[10] Note that a tank car/truck loading/unloading rack must be present for §112.7(h) to apply
[11] This provision does not apply to oil-filled manufacturing equipment (flow-through process)

If YES	*Oil-filled operational equipment* means equipment that includes an oil storage container (or multiple containers) in which the oil is present solely to support the function of the apparatus or the device. Oil-filled operational equipment is not considered a bulk storage container, and does not include oil-filled manufacturing equipment (flow-through process). Examples of oil-filled operational equipment include, but are not limited to, hydraulic systems, lubricating systems (e.g., those for pumps, compressors and other rotating equipment, including pumpjack lubrication systems), gear boxes, machining coolant systems, heat transfer systems, transformers, circuit breakers, electrical switches, and other systems containing oil solely to enable the operation of the device. Check which apply: Secondary Containment provided in accordance with 112.7(c) ☑ Alternative measure described below (confirm eligibility) ☐		
112.7(k)	Qualified Oil-Filled Operational Equipment • Has a single reportable discharge as described in §112.1(b) from any oil-filled operational equipment exceeding 1,000 U.S. gallons occurred within the three years prior to Plan certification date?		☐ Yes ☑ No ☐ NA
	• Have two reportable discharges as described in §112.1(b) from any oil-filled operational equipment each exceeding 42 U.S. gallons occurred within any 12-month period within the three years prior to Plan certification date?[12]		☐ Yes ☑ No ☐ NA
	If YES for either, secondary containment in accordance with §112.7(c) is required		
	• Facility procedure for inspections or monitoring program to detect equipment failure and/or a discharge is established and documented	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☐ NA
	Does not apply if the facility has submitted a FRP under §112.20: • Contingency plan following 40 CFR part 109 (see Attachment C of this checklist) is provided in Plan AND	☐ Yes ☐ No ☑ NA	
	• Written commitment of manpower, equipment, and materials required to expeditiously control and remove any quantity of oil discharged that may be harmful is provided in Plan	☐ Yes ☐ No ☑ NA	

Comments: **Integrity testing requirements are not addressed by the plan. The plan does not address the oil filled transformer site. The plan does not address compliance with other state rules which may apply since contained water is not inspected prior to discharge to the lad under a state land application permit, it is possible that oil contaminated water would be land applied which may not comply with the state permitted land application requirements.**

ONSHORE FACILITIES (EXCLUDING PRODUCTION) 40 CFR 112.8/112.12		PLAN	FIELD
112.8(b)/ 112.12(b) Facility Drainage			
Diked Areas (1)	Drainage from diked storage areas is: • Restrained by valves, except where facility systems are designed to control such discharge, OR • Manually activated pumps or ejectors are used and the condition of the accumulation is inspected prior to draining dike to ensure no oil will be discharged	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
(2)	Diked storage area drain valves are manual, open-and-closed design (not flapper-type drain valves)	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
	If drainage is released directly to a watercourse and not into an onsite wastewater treatment plant, retained storm water is inspected and discharged per §§112.8(c)(3)(ii), (iii), and (iv) or §§112.12(c)(3)(ii), (iii), and (iv).	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
Undiked Areas (3)	Drainage from undiked areas with a potential for discharge designed to flow into ponds, lagoons, or catchment basins to retain oil or return it to facility. Catchment basin located away from flood areas.[13]	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA

[12] Oil discharges that result from natural disasters, acts of war, or terrorism are not included in this determination. The gallon amount(s) specified (either 1,000 or 42) refers to the amount of oil that actually reaches navigable waters or adjoining shorelines not the total amount of oil spilled. The entire volume of the discharge is oil for this determination.

[13] Oil discharges that result from natural disasters, acts of war, or terrorism are not included in this determination. The gallon amount(s) specified (either 1,000 or 42) refers to the amount of oil that actually reaches navigable waters or adjoining shorelines not the total amount of oil spilled. The entire volume of the discharge is oil for this determination.

(4)	If facility drainage not engineered as in (b)(3) (i.e., drainage flows into ponds, lagoons, or catchment basins) then the facility is equipped with a diversion system to retain oil in the facility in the event of an uncontrolled discharge.[14]	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
(5)	Are facility drainage waters continuously treated in more than one treatment unit and pump transfer is needed?	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
If *YES*	• Two "lift" pumps available and at least one permanently installed	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☐ NA
	• Facility drainage systems engineered to prevent a discharge as described in §112.1(b) in the case of equipment failure or human error	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☐ NA

Comments: **General secondary containment described in the plan has been altered to comply with state storm water program that has prohibited storm water discharge from the facility. Storm water is now retained and automatically pumped to a land application area but the pump is automated and discharge is not inspected prior to land application. The plan does not address this practice.**

112.8(c)/112.12(c) Bulk Storage Containers ☐ NA

Bulk storage container means any container used to store oil. These containers are used for purposes including, but not limited to, the storage of oil prior to use, while being used, or prior to further distribution in commerce. Oil-filled electrical, operating, or manufacturing equipment is not a bulk storage container.

If bulk storage containers are not present, mark this section Not Applicable (NA). If present, complete this section and Attachment A of this checklist.

(1)	Containers materials and construction are compatible with material stored and conditions of storage such as pressure and temperature	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
(2)	Except for mobile refuelers and other non-transportation-related tank trucks, construct all bulk storage tank installations with secondary containment to hold capacity of largest container and sufficient freeboard for precipitation	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	Diked areas sufficiently impervious to contain discharged oil OR	☑ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐
	Alternatively, any discharge to a drainage trench system will be safely confined in a facility catchment basin or holding pond	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
		PLAN	FIELD
(3)	Is there drainage of uncontaminated rainwater from diked areas into a storm drain or open watercourse?	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
If YES	• Bypass valve normally sealed closed	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	• Retained rainwater is inspected to ensure that its presence will not cause a discharge as described in §112.1(b)	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	• Bypass valve opened and resealed under responsible supervision	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	• Adequate records of drainage are kept; for example, records required under permits issued in accordance with 40 CFR §§122.41(j)(2) and (m)(3)	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
(4)	For completely buried metallic tanks installed on or after January 10, 1974 (if not exempt from SPCC regulation because subject to all of the technical requirements of 40 CFR part 280 or 281):		
	• Provide corrosion protection with coatings or cathodic protection compatible with local soil conditions	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	• Regular leak testing conducted	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
(5)	The buried section of partially buried or bunkered metallic tanks protected from corrosion with coatings or cathodic protection compatible with local soil conditions	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑

[14] These provisions apply only when a facility drainage system is used for containment; otherwise mark NA

(6)	• Test or inspect each aboveground container for integrity on a regular schedule and whenever you make material repairs. Techniques include, but are not limited to: visual inspection, hydrostatic testing, radiographic testing, ultrasonic testing, acoustic emissions testing, or other system of non-destructive testing	☑ Yes ☐ No ☐ NA	☐ Yes ☑ No ☐ NA
	• Appropriate qualifications for personnel performing tests and inspections are identified in the Plan and have been assessed in accordance with industry standards	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	• The frequency and type of testing and inspections are documented, are in accordance with industry standards and take into account the container size, configuration and design	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	• Comparison records of aboveground container integrity testing are maintained	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	• Container supports and foundations regularly inspected	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	• Outside of containers frequently inspected for signs of deterioration, discharges, or accumulation of oil inside diked areas	☑ Yes ☐ No ☐ NA	☐ Yes ☑ No ☐ NA
	• Records of all inspections and tests maintained[15]	☑ Yes ☐ No ☐ NA	☐ Yes ☑ No ☐ NA
Integrity Testing Standard identified in the Plan: **The plan states that tanks will be visually inspected monthly and an annual inspection form is completed. However, the site inspection determined that inspections are not being performed as described in the plan and no records of tanks inspections are maintained. No other integrity testing is discussed in the plan.**			
112.12 (c)(6)(ii) *(Applies to AFVO Facilities only)*	Conduct formal visual inspection on a regular schedule for bulk storage containers that meet all of the following conditions: • Subject to 21 CFR part 110; • Have no external insulation; and • Elevated; • Shop-fabricated. • Constructed of austenitic stainless steel;	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	In addition, you must frequently inspect the outside of the container for signs of deterioration, discharges, or accumulation of oil inside diked areas.	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	You must determine and document in the Plan the appropriate qualifications for personnel performing tests and inspections.[15]	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
		PLAN	FIELD
(7)	Leakage through defective internal heating coils controlled:		
	• Steam returns and exhaust lines from internal heating coils that discharge into an open watercourse are monitored for contamination, OR	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	• Steam returns and exhaust lines pass through a settling tank, skimmer, or other separation or retention system	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
(8)	Each container is equipped with at least one of the following for liquid level sensing: • High liquid level alarms with an audible or visual signal at a constantly attended operation or surveillance station, or audible air vent in smaller facilities; • High liquid level pump cutoff devices set to stop flow at a predetermined container content level; • Direct audible or code signal communication between container gauger and pumping station; • Fast response system for determining liquid level (such as digital computers, telepulse, or direct vision gauges) and a person present to monitor gauges and overall filling of bulk containers; or • Regularly test liquid level sensing devices to ensure proper operation.	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
(9)	**Effluent treatment facilities observed frequently enough to detect possible system upsets that could cause a discharge as described in §112.1(b)**	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA

[15] Records of inspections and tests kept under usual and customary business practices will suffice

(10)	Visible discharges which result in a loss of oil from the container, including but not limited to seams, gaskets, piping, pumps, valves, rivets, and bolts are promptly corrected and oil in diked areas is promptly removed	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
(11)	Mobile or portable containers positioned to prevent a discharge as described in §112.1(b). Mobile or portable containers (excluding mobile refuelers and other non-transportation-related tank trucks) have secondary containment with sufficient capacity to contain the largest single compartment or container and sufficient freeboard to contain precipitation	☐ Yes ☐ No ☑ NA ☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA ☐ Yes ☐ No ☑ NA
112.8(d)/112.12(d)Facility transfer operations, pumping, and facility process			
(1)	Buried piping installed or replaced on or after August 16, 2002 has protective wrapping or coating Buried piping installed or replaced on or after August 16, 2002 is also cathodically protected or otherwise satisfies corrosion protection standards for piping in 40 CFR part 280 or 281 Buried piping exposed for any reason is inspected for deterioration; corrosion damage is examined; and corrective action is taken	☐ Yes ☐ No ☑ NA ☐ Yes ☐ No ☑ NA ☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA ☐ Yes ☐ No ☑ NA ☐ Yes ☐ No ☑ NA
(2)	Piping terminal connection at the transfer point is marked as to origin and capped or blank-flanged when not in service or in standby service for an extended time	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
(3)	Pipe supports are properly designed to minimize abrasion and corrosion and allow for expansion and contraction	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
(4)	Aboveground valves, piping, and appurtenances such as flange joints, expansion joints, valve glands and bodies, catch pans, pipeline supports, locking of valves, and metal surfaces are inspected regularly to assess their general condition Integrity and leak testing conducted on buried piping at time of installation, modification, construction, relocation, or replacement	☑ Yes ☐ No ☐ NA ☐ Yes ☐ No ☑ NA	☑ Yes ☐ No ☐ NA ☐ Yes ☐ No ☑
(5)	Vehicles warned so that no vehicle endangers aboveground piping and other oil transfer operations	☐ Yes ☑ No ☐ NA	☑ Yes ☐ No ☐ NA

Comments: **The plan states that aboveground tanks are subject to periodic visual inspection but no inspections are conducted or documented. The discussion of other facility transfer operations, pumping, and facility processes is deficient and does not address many of the elements identified in 112.8(d)/112.12(d).**

ATTACHMENT A: SPCC FIELD INSPECTION AND PLAN REVIEW TABLE

Documentation of Field Observations for Containers and Associated Requirements

Inspectors should use this table to document observations of containers as needed.

Containers and Piping

Check containers for leaks, specifically looking for: drip marks, discoloration of tanks, puddles containing spilled or leaked material, corrosion, cracks, and localized dead vegetation, and standards/specifications of construction.

Check aboveground container foundation for: cracks, discoloration, and puddles containing spilled or leaked material, settling, gaps between container and foundation, and damage caused by vegetation roots.

Check all piping for: droplets of stored material, discoloration, corrosion, bowing of pipe between supports, evidence of stored material seepage from valves or seals, evidence of leaks, and localized dead vegetation. For all aboveground piping, include the general condition of flange joints, valve glands and bodies, drip pans, pipe supports, bleeder and gauge valves, and other such items (Document in comments section of §112.8(d) or 112.12(d).)

Secondary Containment (Active and Passive)

Check secondary containment for: containment system (including walls and floor) ability to contain oil such that oil will not escape the containment system before cleanup occurs, proper sizing, cracks, discoloration, presence of spilled or leaked material (standing liquid), erosion, corrosion, penetrations in the containment system, and valve conditions.

Check dike or berm systems for: level of precipitation in dike/available capacity, operational status of drainage valves (closed), dike or berm impermeability, debris, erosion, impermeability of the earthen floor/walls of diked area, and location/status of pipes, inlets, drainage around and beneath containers, presence of oil discharges within diked areas.

Check drainage systems for: an accumulation of oil that may have resulted from any small discharge, including field drainage systems (such as drainage ditches or road ditches), and oil traps, sumps, or skimmers. Ensure any accumulations of oil have been promptly removed.

Check retention and drainage ponds for: erosion, available capacity, presence of spilled or leaked material, debris, and stressed vegetation.

Check active measures (countermeasures) for: amount indicated in plan is available and appropriate; deployment procedures are realistic; material is located so that they are readily available; efficacy of discharge detection; availability of personnel and training, appropriateness of measures to prevent a discharge as described in §112.1(b).

Container ID/ General Condition[16] Aboveground or Buried Tank	Storage Capacity and Type of Oil	Type of Containment/ Drainage Control	Overfill Protection and Testing & Inspections
A-1	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-2	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-3	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-4	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-5	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-6	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-7	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-8	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-9	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-10	30,000 gal of ethanol	Concrete containment	Tank volume indicators
1	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
2	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
3	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
4	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
	~~210,000 gal of fuel oil~~	~~Earthen berm containment*#~~	~~Tank volume indicators~~
5	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
6	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
7	210,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
8	420,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators

[16] Identify each tank with either an A to indicate aboveground or B for completely buried

ATTACHMENT A: SPCC FIELD INSPECTION AND PLAN REVIEW TABLE (CONT.)

Documentation of Field Observations for Containers and Associated Requirements

Container ID/ General Condition[17] Aboveground or Buried Tank	Storage Capacity and Type of Oil	Type of Containment/ Drainage Control	Overfill Protection and Testing & Inspections
9	420,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
10	420,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
11	420,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
12	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
14	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
15	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
16	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
17	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
18	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
	~~10,000 gal of diesel~~	~~Earthen berm containment*#~~	~~Tank volume indicators~~
19	30,000 gal of liquid asphalt	Earthen berm containment*+	Tank volume indicators
20	30,000 gal of liquid asphalt	Earthen berm containment*+	Tank volume indicators
21	30,000 gal of liquid asphalt	Earthen berm containment*+	Tank volume Indicators
22	30,000 gal of liquid asphalt	Earthen berm containment*+	Tank volume indicators
23	30,000 gal of liquid asphalt	Earthen berm containment*+	Tank volume indicators
24	30,000 gal of liquid asphalt	Earthen berm containment*+	Tank volume indicators
F-1	30,000 gal of fusel	Concrete containment+	Tank volume indicators
F-2	30,000 gal of fusel	Concrete containment+	Tank volume indicators
B-1	12,000 gal diesel fuel	Steel containment+	Tank volume indicators

* earthen berm containment is provided by general secondary containment berm that surrounds the property and is not sized secondary containment around the tanks

+these tanks do not appear in the SPCC plan tank inventory summary

#tank does not appear in the current inventory of ASTS

[17] Identify each tank with either an A to indicate aboveground or B for completely buried

ATTACHMENT B: SPCC INSPECTION AND TESTING CHECKLIST

Required Documentation of Tests and Inspections

Records of inspections and tests required by 40 CFR part 112 signed by the appropriate supervisor or inspector must be kept by all facilities with the SPCC Plan for a period of three years. Records of inspections and tests conducted under usual and customary business practices will suffice. Documentation of the following inspections and tests should be kept with the SPCC Plan.

	Inspection or Test	Documentation		Not Applicable
		Present	Not Present	
112.7–General SPCC Requirements				
(d)	Integrity testing for bulk storage containers with no secondary containment system and for which an impracticability determination has been made	☐	☐	☑
(d)	Integrity and leak testing of valves and piping associated with bulk storage containers with no secondary containment system and for which an impracticability determination has been made	☐	☐	☑
(h)(3)	Inspection of lowermost drain and all outlets of tank car or tank truck prior to filling and departure from loading/unloading rack	☐	☑	☐
(i)	Evaluation of field-constructed aboveground containers for potential for brittle fracture or other catastrophic failure when the container undergoes a repair, alteration, reconstruction or change in service or has discharged oil or failed due to brittle fracture failure or other catastrophe	☐	☑	☐
k(2)(i)	Inspection or monitoring of qualified oil-filled operational equipment when the equipment meets the qualification criteria in §112.7(k)(1) and facility owner/operator chooses to implement the alternative requirements in §112.7(k)(2) that include an inspection or monitoring program to detect oil-filled operational equipment failure and discharges	☐	☑	☐
112.8/112.12–Onshore Facilities (excluding oil production facilities)				
(b)(1), (b)(2)	Inspection of storm water released from diked areas into facility drainage directly to a watercourse	☐	☑	☐
(c)(3)	Inspection of rainwater released directly from diked containment areas to a storm drain or open watercourse before release, open and release bypass valve under supervision, and records of drainage events	☐	☑	☐
(c)(4)	Regular leak testing of completely buried metallic storage tanks installed on or after January 10, 1974 and regulated under 40 CFR 112	☐	☐	☑
(c)(6)	Regular integrity testing of aboveground containers and integrity testing after material repairs, including comparison records	☐	☐	☑
(c)(6), (c)(10)	Regular visual inspections of the outsides of aboveground containers, supports and foundations	☐	☑	☐
(c)(6)	Frequent inspections of diked areas for accumulations of oil	☐	☑	☐
(c)(8)(v)	Regular testing of liquid level sensing devices to ensure proper operation	☐	☑	☐
(c)(9)	Frequent observations of effluent treatment facilities to detect possible system upsets that could cause a discharge as described in §112.1(b)	☐	☐	☑
(d)(1)	Inspection of buried piping for damage when piping is exposed and additional examination of corrosion damage and corrective action, if present	☐	☐	☑
(d)(4)	Regular inspections of aboveground valves, piping and appurtenances and assessments of the general condition of flange joints, expansion joints, valve glands and bodies, catch pans, pipeline supports, locking of valves, and metal surfaces	☐	☑	☐
(d)(4)	Integrity and leak testing of buried piping at time of installation, modification, construction, relocation or replacement	☐	☐	☑

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ATTACHMENT C: SPCC CONTINGENCY PLAN REVIEW CHECKLIST ☑ NA

40 CFR Part 109–Criteria for State, Local and Regional Oil Removal Contingency Plans

If the SPCC Plan includes an impracticability determination for secondary containment in accordance with §112.7(d), the facility owner/operator is required to provide an oil spill contingency plan following 40 CFR part 109, unless he or she has submitted a FRP under §112.20. An oil spill contingency plan may also be developed, unless the facility owner/operator has submitted a FRP under §112.20 as one of the required alternatives to general secondary containment for qualified oil filled operational equipment in accordance with §112.7(k).

	109.5–Development and implementation criteria for State, local and regional oil removal contingency plans[18]	Yes	No
(a)	Definition of the authorities, responsibilities and duties of all persons, organizations or agencies which are to be involved in planning or directing oil removal operations.	☐	☐
(b)	Establishment of notification procedures for the purpose of early detection and timely notification of an oil discharge including:	☐	☐
(1)	The identification of critical water use areas to facilitate the reporting of and response to oil discharges.	☐	☐
(2)	A current list of names, telephone numbers and addresses of the responsible persons (with alternates) and organizations to be notified when an oil discharge is discovered.	☐	☐
(3)	Provisions for access to a reliable communications system for timely notification of an oil discharge, and the capability of interconnection with the communications systems established under related oil removal contingency plans, particularly State and National plans (e.g., National Contingency Plan (NCP)).	☐	☐
(4)	An established, prearranged procedure for requesting assistance during a major disaster or when the situation exceeds the response capability of the State, local or regional authority.	☐	☐
(c)	Provisions to assure that full resource capability is known and can be committed during an oil discharge situation including:	☐	☐
(1)	The identification and inventory of applicable equipment, materials and supplies which are available locally and regionally.	☐	☐
(2)	An estimate of the equipment, materials and supplies that would be required to remove the maximum oil discharge to be anticipated.	☐	☐
(3)	Development of agreements and arrangements in advance of an oil discharge for the acquisition of equipment, materials and supplies to be used in responding to such a discharge.	☐	☐
(d)	Provisions for well-defined and specific actions to be taken after discovery and notification of an oil discharge including:	☐	☐
(1)	Specification of an oil discharge response operating team consisting of trained, prepared and available operating personnel.	☐	☐
(2)	Pre-designation of a properly qualified oil discharge response coordinator who is charged with the responsibility and delegated commensurate authority for directing and coordinating response operations and who knows how to request assistance from Federal authorities operating under existing national and regional contingency plans.	☐	☐
(3)	A preplanned location for an oil discharge response operations center and a reliable communications system for directing the coordinated overall response operations.	☐	☐
(4)	Provisions for varying degrees of response effort depending on the severity of the oil discharge.	☐	☐
(5)	Specification of the order of priority in which the various water uses are to be protected where more than one water use may be adversely affected as a result of an oil discharge and where response operations may not be adequate to protect all uses.	☐	☐
(e)	Specific and well defined procedures to facilitate recovery of damages and enforcement measures as provided for by State and local statutes and ordinances.	☐	☐

[18] The contingency plan should be consistent with all applicable state and local plans, Area Contingency Plans, and the NCP.

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ATTACHMENT D: TIER II QUALIFIED FACILITY CHECKLIST ☑ NA

R II QUALIFIED FACILITY PLAN REQUIREMENTS —40 CFR 112.6(b)		
112.6(b)(1)	**Plan Certification:** Owner/operator certified in the Plan that:	☐ Yes ☐ No
(i)	He or she is familiar with the requirements of 40 CFR part 112	☐ Yes ☐ No ☐ NA
(ii)	He or she has visited and examined the facility[19]	☐ Yes ☐ No ☐ NA
(iii)	The Plan has been prepared in accordance with accepted and sound industry practices and standards and with the requirements of this part	☐ Yes ☐ No ☐ NA
(iv)	Procedures for required inspections and testing have been established	☐ Yes ☐ No ☐ NA
(v)	He or she will fully implement the Plan	☐ Yes ☐ No ☐ NA
(vi)	The facility meets the qualification criteria set forth under §112.3(g)(2)	☐ Yes ☐ No ☐ NA
(vii)	The Plan does not deviate from any requirements as allowed by §§112.7(a)(2) and 112.7(d), except as described under §112.6(b)(3)(i) or (ii)	☐ Yes ☐ No ☐ NA
(viii)	The Plan and individual(s) responsible for implementing the Plan have the full approval of management and the facility owner or operator has committed the necessary resources to fully implement the Plan.	☐ Yes ☐ No ☐ NA
112.6(b)(2)	**Technical Amendments:** The owner/operator self-certified the Plan's technical amendments for a change in facility design, construction, operation, or maintenance that affected potential for a §112.1(b) discharge	☐ Yes ☐ No ☐ NA
If **YES**	• Certification of technical amendments is in accordance with the self-certification provisions of §112.6(b)(1).	☐ Yes ☐ No ☐ NA
(i)	A PE certified a portion of the Plan (i.e., Plan is informally referred to as a hybrid Plan)	☐ Yes ☐ No ☐ NA
If **YES**	• The PE also certified technical amendments that affect the PE certified portion of the Plan as required under §112.6(b)(4)(ii)	☐ Yes ☐ No ☐ NA
(ii)	The aggregate aboveground oil storage capacity increased to more than 10,000 U.S. gallons as a result of the change	☐ Yes ☐ No ☐ NA
If **YES**	*The facility no longer meets the Tier II qualifying criteria in §112.3(g)(2) because it exceeds 10,000 U.S. gallons in aggregate aboveground storage capacity.*	
	The owner/operator prepared and implemented a Plan within 6 months following the change and had it certified by a PE under §112.3(d)	☐ Yes ☐ No ☐ NA
112.6(b)(3)	**Plan Deviations:** Does the Plan include environmentally equivalent alternative methods or impracticability determinations for secondary containment?	☐ Yes ☐ No ☐ NA
If **YES**	Identify the alternatives in the hybrid Plan:	
	• Environmental equivalent alternative method(s) allowed under §112.7(a)(2);	☐ Yes ☐ No ☐ NA
	• Impracticability determination under §112.7(d)	☐ Yes ☐ No ☐ NA
112.6(b)(4)	• For each environmentally equivalent measure, the Plan is accompanied by a written statement by the PE that describes: the reason for nonconformance, the alternative measure, and how it offers equivalent environmental protection in accordance with §112.7(a)(2);	☐ Yes ☐ No ☐ NA
	• For each secondary containment impracticability determination, the Plan explains the reason for the impracticability determination and provides the alternative measures to secondary containment required in §112.7(d)	☐ Yes ☐ No ☐ NA
	AND	
(i)	PE certifies in the Plan that:	
(A)	He/she is familiar with the requirements of 40 CFR Part 112	☐ Yes ☐ No ☐ NA
(B)	He/she or a representative agent has visited and examined the facility	☐ Yes ☐ No ☐ NA
(C)	The alternative method of environmental equivalence in accordance with §112.7(a)(2) or the determination of impracticability and alternative measures in accordance with §112.7(d) is consistent with good engineering practice, including consideration of applicable industry standards, and with the requirements of 40 CFR Part 112.	☐ Yes ☐ No ☐ NA

omments:

[19] Note that only the person certifying the Plan can make the site visit

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ATTACHMENT E: ADDITIONAL COMMENTS

Coastal Energy Corporation (Coastal) owns and operates a 2.8 million gallon bulk oil storage facility in Willow Springs, Missouri. The facility was targeted for inspection to determine whether the facility was subject to the Facility Response Planning (FRP) requirements of 40 CFR Part 112.

Based on a review of the facility's SPCC plan and a site inspection conducted on February 10, 2014, the facility meets the substantial harm criteria with regard to threat to fish, wildlife and sensitive environments and the facility is subject to FRP regulation.

The SPCC plan's Certification of Substantial Harm states that the facility does not pose a threat of substantial harm. This finding was based on an improper assumption that a general secondary containment berm surrounding the facility would prevent a worst-case discharge from entering the nearby Eleven Point River, a nationally protected wild and scenic river managed by the U.S Forest Service.

Other significant SPCC Plan Review and Site Inspection findings are summarized below:

- The SPCC plan dated December 2009 is out of date and does not accurately describe the current operation.
    - Ten additional bulk storage tanks have been added and two tanks were either removed or where never installed since the 2009 plan was signed.
    - Facility inspections as described in the plan are not conducted and no inspection records are maintained as described in the plan.
    - Training as described in the plan is not conducted and no training records are maintained.
    - Drainage discharge procedures described in the plan are not followed and no records are maintained.
- Twenty four bulk storage tanks holding asphalt liquid (> 2.4 million gallon capacity) lack specific (sized) secondary containment. Containment for these tanks is provided by general secondary containment berm that surrounds the property.
- The facility has had to alter their drainage discharge procedures at the state's direction to land apply accumulated runoff. This process has been automated which does not allow for inspection of accumulated runoff for evidence of oil before discharge. The SPCC plan was never revised to reflect this change in procedure.

ATTACHMENT F: PHOTO DOCUMENTATION NOTES

Photo#	Photographer Name	Time of Photo Taken	Compass Direction	Description
1	Paul Doherty, EPA	AM 2/10/2014	Southeast	Coastal Energy Corp., ethanol tanks inside secondary containment.
2	Paul Doherty, EPA	AM 2/10/2014	North	View of 2 of 15 liquid asphalt tanks not within sized secondary containment.
3	Paul Doherty, EPA	AM 2/10/2014	Northeast	View of ten 30,000 gallon liquid asphalt tanks not within sized secondary containment.
4	Paul Doherty, EPA	AM 2/10/2014	Southwest	Railcar loading rack lacks sized secondary containment.
5	Paul Doherty, EPA	AM 2/10/2014	Northwest	View of secondary containment around ethanol tanks and drainage control valve out of containment.
6	Paul Doherty, EPA	AM 2/10/2014	Southeast	View of 30,000 gallon liquid asphalt tanks.
7	Paul Doherty, EPA	AM 2/10/2014	Southwest	Tank truck loading rack lacks sized secondary containment.
8	Paul Doherty, EPA	AM 2/10/2014	West	View of oil water separator without sized secondary containment.
9	Paul Doherty, EPA	AM 2/10/2014	Northeast	View of general secondary containment outlet that has since been closed by order of the state. Accumulated water is automatically pumped via a float activated pump to an open field south of the tank farm under permit from the state without prior visual inspection. This drainage control practice is not addressed in the SPCC plan.
10	Paul Doherty, EPA	AM 2/10/2014	North	View of former drainage outlet now acting as a sump pit for drainage control and general secondary containment.
11	Paul Doherty, EPA	AM 2/10/2014	North	View of the headwaters of the Eleven Point River, a nationally designated wild and scenic river.
12	Paul Doherty, EPA	AM 2/10/2014	Southeast	View of 10,000 gallon fuel tank within secondary containment.

Attachment 3

Figures

U.S. ENVIRONMENTAL PROTECTION AGENCY
SPCC FIELD INSPECTION AND PLAN REVIEW CHECKLIST

Coastal Energy Corporation, Willow Springs, Missouri

Overview of the Checklist

This checklist is designed to assist EPA inspectors in conducting a thorough and nationally consistent inspection of a facility's compliance with the Spill Prevention, Control, and Countermeasure (SPCC) rule at 40 CFR part 112. It is a required tool to help federal inspectors (or their contractors) record observations for the site inspection and review of the SPCC Plan. While the checklist is meant to be comprehensive, the inspector should always refer to the SPCC rule in its entirety, the SPCC Regional Inspector Guidance Document, and other relevant guidance for evaluating compliance. This checklist must be completed in order for an inspection to count toward an agency measure (i.e., OEM inspection measures or GPRA). The completed checklist and supporting documentation (i.e. photo logs or additional notes) serve as the inspection report.

This checklist addresses requirements for onshore facilities including Tier II Qualified Facilities (excluding facilities involved in oil drilling, production and workover activities) that meet the eligibility criteria set forth in §112.3(g)(2).

Qualified facilities must meet the rule requirements in §112.6 and other applicable sections specified in §112.6, except for deviations that provide environmental equivalence and secondary containment impracticability determinations as allowed under §112.6.

The checklist is organized according to the SPCC rule. Each item in the checklist identifies the relevant section and paragraph in 40 CFR part 112 where that requirement is stated.

- Sections 112.1 through 112.5 specify the applicability of the rule and requirements for the preparation, implementation, and amendment of SPCC Plans. For these sections, the checklist includes data fields to be completed, as well as several questions with "yes," "no" or "NA" answers.
- Section 112.6 includes requirements for qualified facilities. These provisions are addressed in Attachment D.
- Section 112.7 includes general requirements that apply to all facilities (unless otherwise excluded).
- Sections 112.8 and 112.12 specify requirements for spill prevention, control, and countermeasures for onshore facilities (excluding production facilities).

The inspector needs to evaluate whether the requirement is addressed adequately or inadequately in the SPCC Plan and whether it is implemented adequately in the field (either by field observation or record review). For the SPCC Plan and implementation in the field, if a requirement is addressed adequately, mark the "Yes" box in the appropriate column. If a requirement is not addressed adequately, mark the "No" box. If a requirement does not apply to the particular facility or the question asked is not appropriate for the facility, mark as "NA". Discrepancies or descriptions of inspector interpretation of "No" vs. "NA" may be documented in the comments box subsequent to each section. If a provision of the rule applies only to the SPCC Plan, the "Field" column is shaded.

Space is provided throughout the checklist to record comments. Additional space is available as Attachment E at the end of the checklist. Comments should remain factual and support the evaluation of compliance.

Attachments

- Attachment A is for recording information about containers and other locations at the facility that require secondary containment.
- Attachment B is a checklist for documentation of the tests and inspections the facility operator is required to keep with the SPCC Plan.
- Attachment C is a checklist for oil spill contingency plans following 40 CFR 109. Unless a facility has submitted a Facility Response Plan (FRP) under 40 CFR 112.20, a contingency plan following 40 CFR 109 is required if a facility determines that secondary containment is impracticable as provided in 40 CFR 112.7(d). The same requirement for an oil spill contingency plan applies to the owner or operator of a facility with qualified oil-filled operational equipment that chooses to implement alternative requirements instead of general secondary containment requirements as provided in 40 CFR 112.7(k).
- Attachment D is a checklist for Tier II Qualified Facilities.
- Attachment E is for recording additional comments or notes.
- Attachment F is for recording information about photos.

FACILITY INFORMATION			
FACILITY NAME: Coastal Energy Corporation			
LATITUDE: 36.975715	LONGITUDE: -91.952543	GPS DATUM: WGS84	
Section/Township/Range: NE1/4, S32, T27N, R9W	FRS#/OIL DATABASE ID:	ICIS#:	
ADDRESS: 232 Burnham Road			
CITY: Willow Springs	STATE: MO	ZIP: 65793	COUNTY: Howell
MAILING ADDRESS (IF DIFFERENT FROM FACILITY ADDRESS – IF NOT, PRINT "SAME"): PO Box 218			
CITY:	STATE:	ZIP:	COUNTY:
TELEPHONE: 417-469-2777	FACILITY CONTACT NAME/TITLE: Gary Picard, Safety Officer		
OWNER NAME: Coastal Energy Corp.			
OWNER ADDRESS: PO Box 218, 1 Coastal Drive			
CITY: Willow Springs	STATE: MO	ZIP: 65793	COUNTY: Howell
TELEPHONE: 417-469-2777	FAX:	EMAIL:	
FACILITY OPERATOR NAME (IF DIFFERENT FROM OWNER – IF NOT, PRINT "SAME"): same			
OPERATOR ADDRESS: same			
CITY:	STATE:	ZIP:	COUNTY:
TELEPHONE:	OPERATOR CONTACT NAME/TITLE:		
FACILITY TYPE: ethanol, liquid asphalt, fuel oil, polymer storage		SIC CODE: 1422	
HOURS PER DAY FACILITY ATTENDED: 10-12 hrs/day	TOTAL FACILITY CAPACITY: 2,812,000 gallons		
TYPE(S) OF OIL STORED: ethanol, liquid asphalt, fuel oil			
LOCATED IN INDIAN COUNTRY? ☐ YES ☑ NO RESERVATION NAME:			

INSPECTION/PLAN REVIEW INFORMATION		
PLAN REVIEW DATE: 2/14/2014	REVIEWER NAME: Paul Doherty	
INSPECTION DATE: 2/18/2014	TIME: 1:30 PM	ACTIVITY ID NO:
LEAD INSPECTOR: Paul Doherty		
OTHER INSPECTOR(S):		

INSPECTION ACKNOWLEDGMENT	
I performed an SPCC inspection at the facility specified above.	
INSPECTOR SIGNATURE:	DATE: 5/7/2014
SUPERVISOR REVIEW/SIGNATURE:	DATE:

SPCC GENERAL APPLICABILITY—40 CFR 112.1

HE FACILITY REGULATED UNDER 40 CFR part 112?

The completely buried oil storage capacity is over 42,000 U.S. gallons, **OR** the aggregate aboveground oil storage capacity is over 1,320 U.S. gallons **AND** — ☑ Yes ☐ No

The facility is a non-transportation-related facility engaged in drilling, producing, gathering, storing, processing, refining, transferring, distributing, using, or consuming oil and oil products, which due to its location could reasonably be expected to discharge oil into or upon the navigable waters of the United States — ☑ Yes ☐ No

AFFECTED WATERWAY(S): Eleven Point River	DISTANCE: 200 feet

FLOW PATH TO WATERWAY: surface drainage to Eleven Point River located 200 feet north of tanks.

Note: The following storage capacity is not considered in determining applicability of SPCC requirements:

- *Equipment subject to the authority of the U.S. Department of Transportation, U.S. Department of the Interior, or Minerals Management Service, as defined in Memoranda of Understanding dated November 24, 1971, and November 8, 1993; Tank trucks that return to an otherwise regulated facility that contain only residual amounts of oil (EPA Policy letter)*
- *Completely buried tanks subject to all the technical requirements of 40 CFR part 280 or a state program approved under 40 CFR part 281;*
- *Underground oil storage tanks deferred under 40 CFR part 280 that supply emergency diesel generators at a nuclear power generation facility licensed by the Nuclear Regulatory Commission (NRC) and subject to any NRC provision regarding design and quality criteria, including but not limited to CFR part 50;*
- *Any facility or part thereof used exclusively for wastewater treatment (production, recovery or recycling of oil is not considered wastewater treatment); (This does not include other oil containers located at a wastewater treatment facility, such as generator tanks or transformers)*
- *Containers smaller than 55 U.S. gallons;*
- *Permanently closed containers (as defined in §112.2);*
- *Motive power containers(as defined in §112.2);*
- *Hot-mix asphalt or any hot-mix asphalt containers;*
- *Heating oil containers used solely at a single-family residence;*
- *Pesticide application equipment and related mix containers;*
- *Any milk and milk product container and associated piping and appurtenances; and*
- *Intra-facility gathering lines subject to the regulatory requirements of 49 CFR part 192 or 195.*

s the facility have an SPCC Plan? (The plan is out of date and not accurate) ☑ Yes ☐ No

FACILITY RESPONSE PLAN (FRP) APPLICABILITY—40 CFR 112.20(f)

A non-transportation related onshore facility is required to prepare and implement an FRP as outlined in 40 CFR 112.20 if:

☐ The facility transfers oil over water to or from vessels and has a total oil storage capacity greater than or equal to 42,000 U.S. gallons, **OR**

☑ The facility has a total oil storage capacity of at least 1 million U.S. gallons, **AND** at least one of the following is true:

- ☐ The facility does not have secondary containment sufficiently large to contain the capacity of the largest aboveground tank plus sufficient freeboard for precipitation.
- ☑ The facility is located at a distance such that a discharge could cause injury to fish and wildlife and sensitive environments.
- ☐ The facility is located such that a discharge would shut down a public drinking water intake.
- ☐ The facility has had a reportable discharge greater than or equal to 10,000 U.S. gallons in the past 5 years.

Facility has FRP: ☐ Yes ☑ No ☐ NA	FRP Number:

Facility has a completed and signed copy of Appendix C, Attachment C-II, "Certification of the Applicability of the Substantial Harm Criteria." ☑ Yes ☐ No

Comments: The SPCC plan contains a signed Certification of Substantial Harm that erroneously concludes that a worst-case discharge would not threaten harm to fish, wildlife, and sensitive environments. The certification was based on the assumption that secondary containment would prevent a discharge to the Eleven Point River. The Eleven Point River is a nationally designated wild and scenic river and is located adjacent to, and within 200 feet of the bulk storage tanks. The facility was informed at the time of the inspection that regulations do not allow secondary containment to be taken into consideration when evaluating a worst-case discharge pathway.

SPCC TIER II QUALIFIED FACILITY APPLICABILITY—40 CFR 112.3(g)(2)

e aggregate aboveground oil storage capacity is 10,000 U.S. gallons or less **AND** — ☐ Yes ☑ No

n the three years prior to the SPCC Plan self-certification date, or since becoming subject to the rule (if the facility has been in operation for less than three years), the facility has **NOT** had:

• A single discharge as described in §112.1(b) exceeding 1,000 U.S. gallons, **OR**	☐ Yes ☐ No
• Two discharges as described in §112.1(b) each exceeding 42 U.S. gallons within any twelve-month period[1]	☐ Yes ☐ No

IF *YES* TO ALL OF THE ABOVE, THEN THE FACILITY IS A TIER II QUALIFIED FACILITY[2]
SEE ATTACHMENT D FOR TIER II QUALIFIED FACILITY CHECKLIST

REQUIREMENTS FOR PREPARATION AND IMPLEMENTATION OF A SPCC PLAN—40 CFR 112.3

Date facility began operations: 2002

Date of initial SPCC Plan preparation: unknown | Current Plan version (date/number): December 2009

112.3(a)	**For facilities (except farms), including mobile or portable facilities:**	
	• In operation on or prior to November 10, 2011: Plan prepared and/or amended and fully implemented by **November 10, 2011**	☑ Yes ☐ No ☐ NA
	• Beginning operations after November 10, 2011, Plan prepared and fully implemented before beginning operations	☐ Yes ☐ No ☑ NA
	For farms (as defined in §112.2):	
	• In operation on or prior to August 16, 2002: Plan maintained, amended and implemented by **May 10, 2013**	☐ Yes ☐ No ☑ NA
	• Beginning operations after August 16, 2002 through May 10, 2013: Plan prepared and fully implemented by **May 10, 2013**	☐ Yes ☐ No ☑ NA
	• Beginning operations after May 10, 2013: Plan prepared and fully implemented before beginning operations	☐ Yes ☐ No ☑ NA
112.3(d)	Plan is certified by a registered Professional Engineer (PE) and includes statements that the PE attests:	☑ Yes ☐ No ☐ NA
	• PE is familiar with the requirements of 40 CFR part 112	☑ Yes ☐ No ☐ NA
	• PE or agent has visited and examined the facility	☐ Yes ☑ No ☐ NA
	• Plan is prepared in accordance with good engineering practice including consideration of applicable industry standards and the requirements of 40 CFR part 112	☐ Yes ☑ No ☐ NA
	• Procedures for required inspections and testing have been established	☐ Yes ☑ No ☐ NA
	• Plan is adequate for the facility	☐ Yes ☑ No ☐ NA

PE Name: Russell Doss | License No.: E-28272 | State: M) | Date of certification: 12/16/2009

112.3(e)(1)	Plan is available onsite if attended at least 4 hours per day. If facility is unattended, Plan is available at the nearest field office. *(Please note nearest field office contact information in comments section below.)*	☑ Yes ☐ No ☐ NA

Comments: The PE Certification statement is deficient as it does not address all the requirements for a PE Certification Statement.

AMENDMENT OF SPCC PLAN BY REGIONAL ADMINISTRATOR (RA)—40 CFR 112.4

112.4(a),(c)	Has the facility discharged more than 1,000 U.S. gallons of oil in a single reportable discharge or more than 42 U.S. gallons in each of two reportable discharges in any 12-month period?[3]	☐ Yes ☑ No
If **YES**	• Was information submitted to the RA as required in §112.4(a)?[4]	☐ Yes ☐ No ☑ NA
	• Was information submitted to the appropriate agency or agencies in charge of oil pollution control activities in the State in which the facility is located§112.4(c)	☐ Yes ☐ No ☑ NA
	• Date(s) and volume(s) of reportable discharges(s) under this section: _____	
	• Were the discharges reported to the NRC[5]?	☐ Yes ☑ No

[1] Oil discharges that result from natural disasters, acts of war, or terrorism are not included in this determination. The gallon amount(s) specified (either 1,000 or 42) refers to the amount of oil that actually reaches navigable waters or adjoining shorelines not the total amount of oil spilled. The entire volume of the discharge is oil for this determination.

[2] An owner/operator who self-certifies a Tier II SPCC Plan may include environmentally equivalent alternatives and/or secondary containment impracticability determinations when reviewed and certified by a PE.

[3] A reportable discharge is a discharge as described in §112.1(b)(see 40 CFR part 110). The gallon amount(s) specified (either 1,000 or 42) refers to the amount of oil that actually reaches navigable waters or adjoining shorelines not the total amount of oil spilled. The entire volume of the discharge is oil for this determination.

[4] Triggering this threshold may disqualify the facility from meeting the Qualified Facility criteria if it occurred in the three years prior to self certification

[5] Inspector Note-Confirm any spills identified above were reported to NRC

112.4(d),(e)	Have changes required by the RA been implemented in the Plan and/or facility?	☐ Yes ☐ No ☑ NA

ments: EPA is not aware of any spill history that would warrant amendments to the SPCC Plan.

AMENDMENT OF SPCC PLAN BY THE OWNER OR OPERATOR—40 CFR 112.5

112.5(a)	Has there been a change at the facility that materially affects the potential for a discharge described in §112.1(b)?	☑ Yes ☐ No
If YES	• Was the Plan amended within six months of the change?	☐ Yes ☑ No
	• Were amendments implemented within six months of any Plan amendment?	☐ Yes ☑ No
112.5(b)	Review and evaluation of the Plan completed at least once every 5 years?	☐ Yes ☐ No ☑ NA
	Following Plan review, was Plan amended within six months to include more effective prevention and control technology that has been field-proven to significantly reduce the likelihood of a discharge described in §112.1(b)?	☐ Yes ☐ No ☑ NA
	Amendments implemented within six months of any Plan amendment?	☐ Yes ☐ No ☑ NA
	Five year Plan review and evaluation documented?	☐ Yes ☐ No ☑ NA
112.5(c)	Professional Engineer certification of any technical Plan amendments in accordance with all applicable requirements of §112.3(d) *[Except for self-certified Plans]*	☐ Yes ☐ No ☑ NA

Name:	License No.:	State:	Date of certification:

Reason for amendment: There are no SPCC Plan amendments

Comments: The Plan is overdue for amendments due to changes at the facility which materially affect the potential for discharge. General secondary containment drainage procedures were changed due to state prohibitions against discharging storm water to the Eleven Point River however the plan has not been modified to reflect the current procedures. Additional ASTs have been added that are not on the current plan – there are currently 37 tanks on site and the SPCC plan lists 29 tanks on site.

ENERAL SPCC REQUIREMENTS—40 CFR 112.7		PLAN	FIELD
nagement approval at a level of authority to commit the necessary resources to fully implement the Plan[6]		☑ Yes ☐ No	
Plan follows sequence of the rule or is an equivalent Plan meeting all applicable rule requirements and includes a cross-reference of provisions		☐ Yes ☑ No ☐ NA	
If Plan calls for facilities, procedures, methods, or equipment not yet fully operational, details of their installation and start-up are discussed *(Note: Relevant for inspection evaluation and testing baselines.)*		☐ Yes ☐ No ☑ NA	
112.7(a)(2)	The Plan includes deviations from the requirements of §§112.7(g), (h)(2) and (3), and (i) and applicable subparts B and C of the rule, except the secondary containment requirements in §§112.7(c) and (h)(1), 112.8(c)(2),112.8(c)(11), 112.12(c)(2), and 112.12(c)(11)	☐ Yes ☑ No ☐ NA	
If YES	• The Plan states reasons for nonconformance	☐ Yes ☐ No ☑ NA	
	• Alternative measures described in detail and provide equivalent environmental protection *(Note: Inspector should document if the environmental equivalence is implemented in the field, in accordance with the Plan's description)*	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☐ NA

Describe each deviation and reasons for nonconformance: The plan does not identify any non-functional equipment or procedures. No plan deviations are mentioned. No alternative measures are discussed.

112.7(a)(3)	Plan describes physical layout of facility and includes a diagram[7] that identifies: • Location and contents of all regulated fixed oil storage containers • Storage areas where mobile or portable containers are located • Completely buried tanks otherwise exempt from the SPCC requirements (marked as "exempt") • Transfer stations • Connecting pipes, including intra-facility gathering lines that are otherwise exempt from the requirements of this part under §112.1(d)(11)	☐ Yes ☑ No	☐ Yes ☑ No

[6] May be part of the Plan or demonstrated elsewhere.
[7] Note in comments any discrepancies between the facility diagram, the description of the physical layout of facility, and what is observed in the field

	Plan addresses each of the following:		
(i)	For each fixed container, type of oil and storage capacity (see Attachment A of this checklist). For mobile or portable containers, type of oil and storage capacity for each container or an estimate of the potential number of mobile or portable containers, the types of oil, and anticipated storage capacities	☐ Yes ☑ No	☐ Yes ☑ No
(ii)	Discharge prevention measures, including procedures for routine handling of products (loading, unloading, and facility transfers, etc.)	☑ Yes ☐ No	☐ Yes ☑ No
(iii)	Discharge or drainage controls, such as secondary containment around containers, and other structures, equipment, and procedures for the control of a discharge	☑ Yes ☐ No	☐ Yes ☑ No
(iv)	Countermeasures for discharge discovery, response, and cleanup (both facility's and contractor's resources)	☑ Yes ☐ No	☐ Yes ☑ No
(v)	Methods of disposal of recovered materials in accordance with applicable legal requirements	☑ Yes ☐ No	
(vi)	Contact list and phone numbers for the facility response coordinator, National Response Center, cleanup contractors with an agreement for response, and all Federal, State, and local agencies who must be contacted in the case of a discharge as described in §112.1(b)	☐ Yes ☑ No	
112.7(a)(4)	*Does not apply if the facility has submitted an FRP under §112.20:* ☑ Yes ☐ No ☐ NA **Plan includes information and procedures that enable a person reporting an oil discharge as described in §112.1(b) to relate information on the:** • Exact address or location and phone number of the facility; • Date and time of the discharge; • Type of material discharged; • Estimates of the total quantity discharged; • Estimates of the quantity discharged as described in §112.1(b); • Source of the discharge; • Description of all affected media; • Cause of the discharge; • Damages or injuries caused by the discharge; • Actions being used to stop, remove, and mitigate the effects of the discharge; • Whether an evacuation may be needed; and • Names of individuals and/or organizations who have also been contacted.		
112.7(a)(5)	*Does not apply if the facility has submitted a FRP under §112.20:* **Plan organized so that portions describing procedures to be used when a discharge occurs will be readily usable in an emergency**	☐ Yes ☑ No ☐ NA	
112.7(b)	**Plan includes a prediction of the direction, rate of flow, and total quantity of oil that could be discharged for each type of major equipment failure where experience indicates a reasonable potential for equipment failure**	☐ Yes ☑ No ☐ NA	
Comments: The section on Spill Documentation and Reporting does not identify all elements of 112.7(a)(4) listed above. The telephone numbers for EPA and MDNR spill reporting is incorrect. The wrong attachment is referenced for Spill Report Form and Instructions. SPCC drainage control procedures do not accurately describe actual drainage control procedures. There is no site map or figure depicting the location, size and contents of the storage tanks.			
112.7(c)	**Appropriate containment and/or diversionary structures or equipment are provided to prevent a discharge as described in §112.1(b), except as provided in §112.7(k) of this section for certain qualified operational equipment. The entire containment system, including walls and floors, are capable of containing oil and are constructed to prevent escape of a discharge from the containment system before cleanup occurs. The method, design, and capacity for secondary containment address the typical failure mode and the most likely quantity of oil that would be discharged. See Attachment A of this checklist.** **For onshore facilities, one of the following or its equivalent:** • Dikes, berms, or retaining walls sufficiently impervious to contain oil; • Curbing or drip pans; • Sumps and collection systems; • Culverting, gutters or other drainage systems; • Weirs, booms or other barriers; • Spill diversion pond; • Retention ponds; or • Sorbent materials.		
	Identify which of the following are present at the facility and if appropriate containment and/or diversionary structures or equipment are provided as described above:		

	☑ Bulk storage containers	☑ Yes ☑ No ☐ NA	☑ Yes ☑ No ☐ NA
	☐ Mobile/portable containers	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	☑ Oil-filled operational equipment (as defined in 112.2)	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	☑ Other oil-filled equipment (i.e., manufacturing equipment)	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	☐ Piping and related appurtenances	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
	☑ Mobile refuelers or non-transportation-related tank cars	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	☑ Transfer areas, equipment and activities	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
	☐ Identify any other equipment or activities that are not listed above: _____	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
112.7(d)	Secondary containment for one (or more) of the following provisions is determined to be impracticable: ☐ General secondary containment §112.7(c) ☐ Loading/unloading rack §112.7(h)(1) ☐ Bulk storage containers §§112.8(c)(2)/112.12(c)(2) ☐ Mobile/portable containers §§112.8(c)(11)/ 112.12(c)(11)	☐ Yes ☑ No	
If YES	• The impracticability of secondary containment is clearly demonstrated and described in the Plan	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	• For bulk storage containers,[8] periodic integrity testing of containers and integrity and leak testing of the associated valves and piping is conducted	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	(Does not apply if the facility has submitted a FRP under §112.20): • Contingency Plan following the provisions of 40 CFR part 109 is provided (see Attachment C of this checklist) AND	☐ Yes ☐ No ☑ NA	
	• Written commitment of manpower, equipment, and materials required to expeditiously control and remove any quantity of oil discharged that may be harmful	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☐ NA

Comments: The SPCC plan identifies 29 bulk storage tanks but there are 37 bulk tanks on site. Some bulk tanks are not equipped with sized secondary containment but no impracticability claims are made. There are no mobile containers. There is a transformer on site and piping and related appurtenances that are not addressed in the plan. There are loading racks for rail cars and tank trucks that are not equipped with sized secondary containment. A re-inspection of the facility determined that the berm surrounding the property that purportedly provides general and sized secondary containment for the site, asphalt tanks and loading racks does not exist as described in the plan.

		PLAN	FIELD
112.7(e)	Inspections and tests conducted in accordance with written procedures	☑ Yes ☐ No	☐ Yes ☑ No
	Record of inspections or tests signed by supervisor or inspector	☐ Yes ☑ No	☐ Yes ☑ No
	Kept with Plan for at least 3 years (see Attachment B of this checklist)[9]	☑ Yes ☐ No	☐ Yes ☑ No
112.7(f)	Personnel, training, and oil discharge prevention procedures		
(1)	Training of oil-handling personnel in operation and maintenance of equipment to prevent discharges; discharge procedure protocols; applicable pollution control laws, rules, and regulations; general facility operations; and contents of SPCC Plan	☑ Yes ☐ No ☐ NA	☐ Yes ☑ No ☐ NA
(2)	Person designated as accountable for discharge prevention at the facility and reports to facility management	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA

[8] These additional requirements apply only to bulk storage containers, when an impracticability determination has been made by the PE

[9] Records of inspections and tests kept under usual and customary business practices will suffice

(3)	Discharge prevention briefings conducted at least once a year for oil handling personnel to assure adequate understanding of the Plan. Briefings highlight and describe known discharges as described in §112.1(b) or failures, malfunctioning components, and any recently developed precautionary measures	☑ Yes ☐ No ☐ NA	☐ Yes ☑ No ☐ NA
112.7(g)	Plan describes how to: • Secure and control access to the oil handling, processing and storage areas; • Secure master flow and drain valves; • Prevent unauthorized access to starter controls on oil pumps; • Secure out-of-service and loading/unloading connections of oil pipelines; and • Address the appropriateness of security lighting to both prevent acts of vandalism and assist in the discovery of oil discharges.	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
112.7(h)	Tank car and tank truck loading/unloading rack[10] is present at the facility *Loading/unloading rack* means a fixed structure (such as a platform, gangway) necessary for loading or unloading a tank truck or tank car, which is located at a facility subject to the requirements of this part. A loading/unloading rack includes a loading or unloading arm, and may include any combination of the following: piping assemblages, valves, pumps, shut-off devices, overfill sensors, or personnel safety devices.		☑ Yes ☐ No
If YES (1)	Does loading/unloading rack drainage flow to catchment basin or treatment facility designed to handle discharges or use a quick drainage system?	☐ Yes ☑ No ☐ NA	☑ Yes ☐ No ☐ NA
	Containment system holds at least the maximum capacity of the largest single compartment of a tank car/truck loaded/unloaded at the facility	☐ Yes ☑ No ☐ NA	☑ Yes ☐ No ☐ NA
(2)	An interlocked warning light or physical barriers, warning signs, wheel chocks, or vehicle brake interlock system in the area adjacent to the loading or unloading rack to prevent vehicles from departing before complete disconnection of flexible or fixed oil transfer lines	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
(3)	Lower-most drains and all outlets on tank cars/trucks inspected prior to filling/departure, and, if necessary ensure that they are tightened, adjusted, or replaced to prevent liquid discharge while in transit	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA

Comments: **The facility is serviced by a rail spur but tank car loading and unloading containment is not addressed by the plan. Tanker truck loading and unloading sized containment is not addressed. Both areas are equipped with loading racks that are not addressed by the plan. The re-visit of the site determined that the site lacks general secondary containment. Drainage water is automatically discharged to a permitted land application area but water is not inspected prior to discharge and no records are maintained. Truck loading and/or offloading procedures are not addressed in the plan.**

		PLAN	FIELD
112.7(i)	Brittle fracture evaluation of field-constructed aboveground containers is conducted after tank repair, alteration, reconstruction, or change in service that might affect the risk of a discharge or after a discharge/failure due to brittle fracture or other catastrophe, and appropriate action taken as necessary (applies to only field-constructed aboveground containers)	☐ Yes ☑ No ☐ NA	☐ Yes ☐ No ☑ NA
112.7(j)	Discussion of conformance with applicable more stringent State rules, regulations, and guidelines and other effective discharge prevention and containment procedures listed in 40 CFR part 112	☐ Yes ☑ No ☐ NA	
112.7(k)	Qualified oil-filled operational equipment is present at the facility[11]		☑ Yes ☐ No

[10] Note that a tank car/truck loading/unloading rack must be present for §112.7(h) to apply

[11] This provision does not apply to oil-filled manufacturing equipment (flow-through process)

If YES	*Oil-filled operational equipment* means equipment that includes an oil storage container (or multiple containers) in which the oil is present solely to support the function of the apparatus or the device. Oil-filled operational equipment is not considered a bulk storage container, and does not include oil-filled manufacturing equipment (flow-through process). Examples of oil-filled operational equipment include, but are not limited to, hydraulic systems, lubricating systems (e.g., those for pumps, compressors and other rotating equipment, including pumpjack lubrication systems), gear boxes, machining coolant systems, heat transfer systems, transformers, circuit breakers, electrical switches, and other systems containing oil solely to enable the operation of the device. Check which apply: Secondary Containment provided in accordance with 112.7(c) ☑ Alternative measure described below (confirm eligibility) ☐		
112.7(k)	Qualified Oil-Filled Operational Equipment • Has a single reportable discharge as described in §112.1(b) from any oil-filled operational equipment exceeding 1,000 U.S. gallons occurred within the three years prior to Plan certification date?	☐ Yes ☑ No ☐ NA	
	• Have two reportable discharges as described in §112.1(b) from any oil-filled operational equipment each exceeding 42 U.S. gallons occurred within any 12-month period within the three years prior to Plan certification date?[12]	☐ Yes ☑ No ☐ NA	
	If YES for either, secondary containment in accordance with §112.7(c) is required		
	• Facility procedure for inspections or monitoring program to detect equipment failure and/or a discharge is established and documented	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☐ NA
	Does not apply if the facility has submitted a FRP under §112.20: • Contingency plan following 40 CFR part 109 (see Attachment C of this checklist) is provided in Plan AND	☐ Yes ☐ No ☑ NA	
	• Written commitment of manpower, equipment, and materials required to expeditiously control and remove any quantity of oil discharged that may be harmful is provided in Plan	☐ Yes ☐ No ☑ NA	

Comments: Integrity testing requirements are not addressed by the plan. The plan does not address the oil filled transformer on site. The plan does not address compliance with other state rules which may apply since contained water is not inspected prior to discharge to the lad under a state land application permit, it is possible that oil contaminated water would be land applied which may not comply with the state permitted land application requirements.

ONSHORE FACILITIES (EXCLUDING PRODUCTION) 40 CFR 112.8/112.12		PLAN	FIELD
112.8(b)/ 112.12(b) Facility Drainage			
Diked Areas (1)	Drainage from diked storage areas is: • Restrained by valves, except where facility systems are designed to control such discharge, OR • Manually activated pumps or ejectors are used and the condition of the accumulation is inspected prior to draining dike to ensure no oil will be discharged	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
(2)	Diked storage area drain valves are manual, open-and-closed design (not flapper-type drain valves)	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
	If drainage is released directly to a watercourse and not into an onsite wastewater treatment plant, retained storm water is inspected and discharged per §§112.8(c)(3)(ii), (iii), and (iv) or §§112.12(c)(3)(ii), (iii), and (iv).	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
Undiked Areas (3)	Drainage from undiked areas with a potential for discharge designed to flow into ponds, lagoons, or catchment basins to retain oil or return it to facility. Catchment basin located away from flood areas.[13]	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA

[12] Oil discharges that result from natural disasters, acts of war, or terrorism are not included in this determination. The gallon amount(s) specified (either 1,000 or 42) refers to the amount of oil that actually reaches navigable waters or adjoining shorelines not the total amount of oil spilled. The entire volume of the discharge is oil for this determination.

[13] Oil discharges that result from natural disasters, acts of war, or terrorism are not included in this determination. The gallon amount(s) specified (either 1,000 or 42) refers to the amount of oil that actually reaches navigable waters or adjoining shorelines not the total amount of oil spilled. The entire volume of the discharge is oil for this determination.

(4)	If facility drainage not engineered as in (b)(3) (i.e., drainage flows into ponds, lagoons, or catchment basins) then the facility is equipped with a diversion system to retain oil in the facility in the event of an uncontrolled discharge.[14]	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
(5)	Are facility drainage waters continuously treated in more than one treatment unit and pump transfer is needed?	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
If *YES*	• Two "lift" pumps available and at least one permanently installed	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☐ NA
	• Facility drainage systems engineered to prevent a discharge as described in §112.1(b) in the case of equipment failure or human error	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☐ NA

Comments: General secondary containment described in the plan has been altered to comply with state storm water program that has prohibited storm water discharge from the facility. Storm water is now retained and automatically pumped to a land application area but the pump is automated and discharge is not inspected prior to land application. The plan does not address this practice.

112.8(c)/112.12(c) Bulk Storage Containers ☐ NA

Bulk storage container means any container used to store oil. These containers are used for purposes including, but not limited to, the storage of oil prior to use, while being used, or prior to further distribution in commerce. Oil-filled electrical, operating, or manufacturing equipment is not a bulk storage container.

If bulk storage containers are not present, mark this section Not Applicable (NA). If present, complete this section and Attachment A of this checklist.

(1)	Containers materials and construction are compatible with material stored and conditions of storage such as pressure and temperature	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
(2)	Except for mobile refuelers and other non-transportation-related tank trucks, construct all bulk storage tank installations with secondary containment to hold capacity of largest container and sufficient freeboard for precipitation	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	Diked areas sufficiently impervious to contain discharged oil OR	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ N
	Alternatively, any discharge to a drainage trench system will be safely confined in a facility catchment basin or holding pond	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
		PLAN	FIELD
(3)	Is there drainage of uncontaminated rainwater from diked areas into a storm drain or open watercourse?	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
If YES	• Bypass valve normally sealed closed	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	• Retained rainwater is inspected to ensure that its presence will not cause a discharge as described in §112.1(b)	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	• Bypass valve opened and resealed under responsible supervision	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	• Adequate records of drainage are kept; for example, records required under permits issued in accordance with 40 CFR §§122.41(j)(2) and (m)(3)	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
(4)	For completely buried metallic tanks installed on or after January 10, 1974 (if not exempt from SPCC regulation because subject to all of the technical requirements of 40 CFR part 280 or 281):		
	• Provide corrosion protection with coatings or cathodic protection compatible with local soil conditions	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	• Regular leak testing conducted	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
(5)	The buried section of partially buried or bunkered metallic tanks protected from corrosion with coatings or cathodic protection compatible with local soil conditions	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ N

[14] These provisions apply only when a facility drainage system is used for containment; otherwise mark NA

(6)	• Test or inspect each aboveground container for integrity on a regular schedule and whenever you make material repairs. Techniques include, but are not limited to: visual inspection, hydrostatic testing, radiographic testing, ultrasonic testing, acoustic emissions testing, or other system of non-destructive testing	☑ Yes ☐ No ☐ NA	☐ Yes ☑ No ☐ NA
	• Appropriate qualifications for personnel performing tests and inspections are identified in the Plan and have been assessed in accordance with industry standards	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	• The frequency and type of testing and inspections are documented, are in accordance with industry standards and take into account the container size, configuration and design	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	• Comparison records of aboveground container integrity testing are maintained	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	• Container supports and foundations regularly inspected	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	• Outside of containers frequently inspected for signs of deterioration, discharges, or accumulation of oil inside diked areas	☑ Yes ☐ No ☐ NA	☐ Yes ☑ No ☐ NA
	• Records of all inspections and tests maintained[15]	☑ Yes ☐ No ☐ NA	☐ Yes ☑ No ☐ NA
Integrity Testing Standard identified in the Plan: **The plan states that tanks will be visually inspected monthly and an annual inspection form is completed. However, the site inspection determined that inspections are not being performed as described in the plan and no records of tanks inspections are maintained. No other integrity testing is discussed in the plan.**			
112.12 (c)(6)(ii) *(Applies to AFVO Facilities only)*	Conduct formal visual inspection on a regular schedule for bulk storage containers that meet all of the following conditions: • Subject to 21 CFR part 110; • Have no external insulation; and • Elevated; • Shop-fabricated. • Constructed of austenitic stainless steel;	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	In addition, you must frequently inspect the outside of the container for signs of deterioration, discharges, or accumulation of oil inside diked areas.	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
	You must determine and document in the Plan the appropriate qualifications for personnel performing tests and inspections.[15]	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
		PLAN	FIELD
(7)	Leakage through defective internal heating coils controlled: • Steam returns and exhaust lines from internal heating coils that discharge into an open watercourse are monitored for contamination, OR	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
	• Steam returns and exhaust lines pass through a settling tank, skimmer, or other separation or retention system	☐ Yes ☑ No ☐ NA	☐ Yes ☑ No ☐ NA
(8)	Each container is equipped with at least one of the following for liquid level sensing: • High liquid level alarms with an audible or visual signal at a constantly attended operation or surveillance station, or audible air vent in smaller facilities; • High liquid level pump cutoff devices set to stop flow at a predetermined container content level; • Direct audible or code signal communication between container gauger and pumping station; • Fast response system for determining liquid level (such as digital computers, telepulse, or direct vision gauges) and a person present to monitor gauges and overall filling of bulk containers; or • Regularly test liquid level sensing devices to ensure proper operation.	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
(9)	Effluent treatment facilities observed frequently enough to detect possible system upsets that could cause a discharge as described in §112.1(b)	☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA
(10)	Visible discharges which result in a loss of oil from the container, including but not limited to seams, gaskets, piping, pumps, valves, rivets, and bolts are promptly corrected and oil in diked areas is promptly removed	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA

[15] Records of inspections and tests kept under usual and customary business practices will suffice

(11)	Mobile or portable containers positioned to prevent a discharge as described in §112.1(b). Mobile or portable containers (excluding mobile refuelers and other non-transportation-related tank trucks) have secondary containment with sufficient capacity to contain the largest single compartment or container and sufficient freeboard to contain precipitation	☐ Yes ☐ No ☑ NA ☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA ☐ Yes ☐ No ☑ NA
112.8(d)/112.12(d)Facility transfer operations, pumping, and facility process			
(1)	Buried piping installed or replaced on or after August 16, 2002 has protective wrapping or coating Buried piping installed or replaced on or after August 16, 2002 is also cathodically protected or otherwise satisfies corrosion protection standards for piping in 40 CFR part 280 or 281 Buried piping exposed for any reason is inspected for deterioration; corrosion damage is examined; and corrective action is taken	☐ Yes ☐ No ☑ NA ☐ Yes ☐ No ☑ NA ☐ Yes ☐ No ☑ NA	☐ Yes ☐ No ☑ NA ☐ Yes ☐ No ☑ NA ☐ Yes ☐ No ☑ NA
(2)	Piping terminal connection at the transfer point is marked as to origin and capped or blank-flanged when not in service or in standby service for an extended time	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
(3)	Pipe supports are properly designed to minimize abrasion and corrosion and allow for expansion and contraction	☑ Yes ☐ No ☐ NA	☑ Yes ☐ No ☐ NA
(4)	Aboveground valves, piping, and appurtenances such as flange joints, expansion joints, valve glands and bodies, catch pans, pipeline supports, locking of valves, and metal surfaces are inspected regularly to assess their general condition Integrity and leak testing conducted on buried piping at time of installation, modification, construction, relocation, or replacement	☑ Yes ☐ No ☐ NA ☐ Yes ☐ No ☑ NA	☑ Yes ☐ No ☐ NA ☐ Yes ☐ No ☑ NA
(5)	Vehicles warned so that no vehicle endangers aboveground piping and other oil transfer operations	☐ Yes ☑ No ☐ NA	☑ Yes ☐ No ☐ N

Comments: **The plan states that aboveground tanks are subject to periodic visual inspection but no inspections are conducted or documented. The discussion of other facility transfer operations, pumping, and facility processes is deficient and does not address many of the elements identified in 112.8(d)/112.12(d) . A re-inspection of the facility determined that the berm surrounding the property that purportedly provides general and sized secondary containment for the site, asphalt tanks and loading racks does not exist as described in the plan.**

ATTACHMENT A: SPCC FIELD INSPECTION AND PLAN REVIEW TABLE

Documentation of Field Observations for Containers and Associated Requirements

pectors should use this table to document observations of containers as needed.

- **Containers and Piping**

Check containers for leaks, specifically looking for: drip marks, discoloration of tanks, puddles containing spilled or leaked material, corrosion, cracks, and localized dead vegetation, and standards/specifications of construction.

Check aboveground container foundation for: cracks, discoloration, and puddles containing spilled or leaked material, settling, gaps between container and foundation, and damage caused by vegetation roots.

Check all piping for: droplets of stored material, discoloration, corrosion, bowing of pipe between supports, evidence of stored material seepage from valves or seals, evidence of leaks, and localized dead vegetation. For all aboveground piping, include the general condition of flange joints, valve glands and bodies, drip pans, pipe supports, bleeder and gauge valves, and other such items (Document in comments section of §112.8(d) or 112.12(d).)

Secondary Containment (Active and Passive)

Check secondary containment for: containment system (including walls and floor) ability to contain oil such that oil will not escape the containment system before cleanup occurs, proper sizing, cracks, discoloration, presence of spilled or leaked material (standing liquid), erosion, corrosion, penetrations in the containment system, and valve conditions.

Check dike or berm systems for: level of precipitation in dike/available capacity, operational status of drainage valves (closed), dike or berm impermeability, debris, erosion, impermeability of the earthen floor/walls of diked area, and location/status of pipes, inlets, drainage around and beneath containers, presence of oil discharges within diked areas.

Check drainage systems for: an accumulation of oil that may have resulted from any small discharge, including field drainage systems (such as drainage ditches or road ditches), and oil traps, sumps, or skimmers. Ensure any accumulations of oil have been promptly removed.

Check retention and drainage ponds for: erosion, available capacity, presence of spilled or leaked material, debris, and stressed vegetation.

Check active measures (countermeasures) for: amount indicated in plan is available and appropriate; deployment procedures are realistic; material is located so that they are readily available; efficacy of discharge detection; availability of personnel and training, appropriateness of measures to prevent a discharge as described in §112.1(b).

Container ID/ General Condition[16] Aboveground or Buried Tank	Storage Capacity and Type of Oil	Type of Containment/ Drainage Control	Overfill Protection and Testing & Inspections
A-1	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-2	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-3	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-4	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-5	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-6	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-7	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-8	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-9	30,000 gal of ethanol	Concrete containment	Tank volume indicators
A-10	30,000 gal of ethanol	Concrete containment	Tank volume indicators
1	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
2	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
3	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
4	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
	~~210,000 gal of fuel oil~~	~~Earthen berm containment*#~~	~~Tank volume indicators~~
5	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
6	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
7	210,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
8	420,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators

[16] Identify each tank with either an A to indicate aboveground or B for completely buried

ATTACHMENT A: SPCC FIELD INSPECTION AND PLAN REVIEW TABLE (CONT.)

Documentation of Field Observations for Containers and Associated Requirements

Container ID/ General Condition[17] Aboveground or Buried Tank	Storage Capacity and Type of Oil	Type of Containment/ Drainage Control	Overfill Protection and Testing & Inspections
9	420,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
10	420,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
11	420,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
12	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
14	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
15	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
16	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
17	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
18	30,000 gal of liquid asphalt	Earthen berm containment*	Tank volume indicators
	~~10,000 gal of diesel~~	~~Earthen berm containment*#~~	~~Tank volume indicators~~
19	30,000 gal of liquid asphalt	Earthen berm containment*+	Tank volume indicators
20	30,000 gal of liquid asphalt	Earthen berm containment*+	Tank volume indicators
21	30,000 gal of liquid asphalt	Earthen berm containment*+	Tank volume indicators
22	30,000 gal of liquid asphalt	Earthen berm containment*+	Tank volume indicators
23	30,000 gal of liquid asphalt	Earthen berm containment*+	Tank volume indicators
24	30,000 gal of liquid asphalt	Earthen berm containment*+	Tank volume indicators
F-1	30,000 gal of fusel	Concrete containment+	Tank volume indicators
F-2	30,000 gal of fusel	Concrete containment+	Tank volume indicators
B-1	12,000 gal diesel fuel	Steel containment+	Tank volume indicators

* A re-inspection of the facility determined that the berm surrounding the property that purportedly provides general and sized secondary containment for the site, asphalt tanks and loading racks does not exist as described in the plan.

+these tanks do not appear in the SPCC plan tank inventory summary

#tank does not appear in the current inventory of ASTS

[17] Identify each tank with either an A to indicate aboveground or B for completely buried

ATTACHMENT B: SPCC INSPECTION AND TESTING CHECKLIST

Required Documentation of Tests and Inspections

Records of inspections and tests required by 40 CFR part 112 signed by the appropriate supervisor or inspector must be kept by all facilities with the SPCC Plan for a period of three years. Records of inspections and tests conducted under usual and customary business practices will suffice. Documentation of the following inspections and tests should be kept with the SPCC Plan.

	Inspection or Test	Documentation		Not Applicable
		Present	Not Present	
112.7–General SPCC Requirements				
(d)	Integrity testing for bulk storage containers with no secondary containment system and for which an impracticability determination has been made	☐	☐	☑
(d)	Integrity and leak testing of valves and piping associated with bulk storage containers with no secondary containment system and for which an impracticability determination has been made	☐	☐	☑
(h)(3)	Inspection of lowermost drain and all outlets of tank car or tank truck prior to filling and departure from loading/unloading rack	☐	☑	☐
(i)	Evaluation of field-constructed aboveground containers for potential for brittle fracture or other catastrophic failure when the container undergoes a repair, alteration, reconstruction or change in service or has discharged oil or failed due to brittle fracture failure or other catastrophe	☐	☑	☐
k(2)(i)	Inspection or monitoring of qualified oil-filled operational equipment when the equipment meets the qualification criteria in §112.7(k)(1) and facility owner/operator chooses to implement the alternative requirements in §112.7(k)(2) that include an inspection or monitoring program to detect oil-filled operational equipment failure and discharges	☐	☑	☐
112.8/112.12–Onshore Facilities (excluding oil production facilities)				
(b)(1), (b)(2)	Inspection of storm water released from diked areas into facility drainage directly to a watercourse	☐	☑	☐
(c)(3)	Inspection of rainwater released directly from diked containment areas to a storm drain or open watercourse before release, open and release bypass valve under supervision, and records of drainage events	☐	☑	☐
(c)(4)	Regular leak testing of completely buried metallic storage tanks installed on or after January 10, 1974 and regulated under 40 CFR 112	☐	☐	☑
(c)(6)	Regular integrity testing of aboveground containers and integrity testing after material repairs, including comparison records	☐	☐	☑
(c)(6), (c)(10)	Regular visual inspections of the outsides of aboveground containers, supports and foundations	☐	☑	☐
(c)(6)	Frequent inspections of diked areas for accumulations of oil	☐	☑	☐
(c)(8)(v)	Regular testing of liquid level sensing devices to ensure proper operation	☐	☑	☐
(c)(9)	Frequent observations of effluent treatment facilities to detect possible system upsets that could cause a discharge as described in §112.1(b)	☐	☐	☑
(d)(1)	Inspection of buried piping for damage when piping is exposed and additional examination of corrosion damage and corrective action, if present	☐	☐	☑
(d)(4)	Regular inspections of aboveground valves, piping and appurtenances and assessments of the general condition of flange joints, expansion joints, valve glands and bodies, catch pans, pipeline supports, locking of valves, and metal surfaces	☐	☑	☐
(d)(4)	Integrity and leak testing of buried piping at time of installation, modification, construction, relocation or replacement	☐	☐	☑

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ATTACHMENT C: SPCC CONTINGENCY PLAN REVIEW CHECKLIST ☑ NA

CFR Part 109–Criteria for State, Local and Regional Oil Removal Contingency Plans

...SPCC Plan includes an impracticability determination for secondary containment in accordance with §112.7(d), the facility owner/operator is required to provide an oil spill contingency plan following 40 CFR part 109, unless he or she has submitted a FRP under §112.20. An oil spill contingency plan may also be developed, unless the facility owner/operator has submitted a FRP under §112.20 as one of the required alternatives to general secondary containment for qualified oil filled operational equipment in accordance with §112.7(k).

109.5–Development and implementation criteria for State, local and regional oil removal contingency plans[18]		Yes	No
(a)	Definition of the authorities, responsibilities and duties of all persons, organizations or agencies which are to be involved in planning or directing oil removal operations.	☐	☐
(b)	Establishment of notification procedures for the purpose of early detection and timely notification of an oil discharge including:	☐	☐
(1)	The identification of critical water use areas to facilitate the reporting of and response to oil discharges.	☐	☐
(2)	A current list of names, telephone numbers and addresses of the responsible persons (with alternates) and organizations to be notified when an oil discharge is discovered.	☐	☐
(3)	Provisions for access to a reliable communications system for timely notification of an oil discharge, and the capability of interconnection with the communications systems established under related oil removal contingency plans, particularly State and National plans (e.g., National Contingency Plan (NCP)).	☐	☐
(4)	An established, prearranged procedure for requesting assistance during a major disaster or when the situation exceeds the response capability of the State, local or regional authority.	☐	☐
(c)	Provisions to assure that full resource capability is known and can be committed during an oil discharge situation including:	☐	☐
(1)	The identification and inventory of applicable equipment, materials and supplies which are available locally and regionally.	☐	☐
(2)	An estimate of the equipment, materials and supplies that would be required to remove the maximum oil discharge to be anticipated.	☐	☐
(3)	Development of agreements and arrangements in advance of an oil discharge for the acquisition of equipment, materials and supplies to be used in responding to such a discharge.	☐	☐
(d)	Provisions for well-defined and specific actions to be taken after discovery and notification of an oil discharge including:	☐	☐
(1)	Specification of an oil discharge response operating team consisting of trained, prepared and available operating personnel.	☐	☐
(2)	Pre-designation of a properly qualified oil discharge response coordinator who is charged with the responsibility and delegated commensurate authority for directing and coordinating response operations and who knows how to request assistance from Federal authorities operating under existing national and regional contingency plans.	☐	☐
(3)	A preplanned location for an oil discharge response operations center and a reliable communications system for directing the coordinated overall response operations.	☐	☐
(4)	Provisions for varying degrees of response effort depending on the severity of the oil discharge.	☐	☐
(5)	Specification of the order of priority in which the various water uses are to be protected where more than one water use may be adversely affected as a result of an oil discharge and where response operations may not be adequate to protect all uses.	☐	☐
(e)	Specific and well defined procedures to facilitate recovery of damages and enforcement measures as provided for by State and local statutes and ordinances.	☐	☐

[18] The contingency plan should be consistent with all applicable state and local plans, Area Contingency Plans, and the NCP.

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ATTACHMENT D: TIER II QUALIFIED FACILITY CHECKLIST ☑ NA

R II QUALIFIED FACILITY PLAN REQUIREMENTS —40 CFR 112.6(b)

112.6(b)(1)	**Plan Certification:** Owner/operator certified in the Plan that:	☐ Yes ☐ No
(i)	He or she is familiar with the requirements of 40 CFR part 112	☐ Yes ☐ No ☐ NA
(ii)	He or she has visited and examined the facility[19]	☐ Yes ☐ No ☐ NA
(iii)	The Plan has been prepared in accordance with accepted and sound industry practices and standards and with the requirements of this part	☐ Yes ☐ No ☐ NA
(iv)	Procedures for required inspections and testing have been established	☐ Yes ☐ No ☐ NA
(v)	He or she will fully implement the Plan	☐ Yes ☐ No ☐ NA
(vi)	The facility meets the qualification criteria set forth under §112.3(g)(2)	☐ Yes ☐ No ☐ NA
(vii)	The Plan does not deviate from any requirements as allowed by §§112.7(a)(2) and 112.7(d), except as described under §112.6(b)(3)(i) or (ii)	☐ Yes ☐ No ☐ NA
(viii)	The Plan and individual(s) responsible for implementing the Plan have the full approval of management and the facility owner or operator has committed the necessary resources to fully implement the Plan.	☐ Yes ☐ No ☐ NA
112.6(b)(2)	**Technical Amendments:** The owner/operator self-certified the Plan's technical amendments for a change in facility design, construction, operation, or maintenance that affected potential for a §112.1(b) discharge	☐ Yes ☐ No ☐ NA
If **YES**	• Certification of technical amendments is in accordance with the self-certification provisions of §112.6(b)(1).	☐ Yes ☐ No ☐ NA
(i)	A PE certified a portion of the Plan (i.e., Plan is informally referred to as a hybrid Plan)	☐ Yes ☐ No ☐ NA
If **YES**	• The PE also certified technical amendments that affect the PE certified portion of the Plan as required under §112.6(b)(4)(ii)	☐ Yes ☐ No ☐ NA
(ii)	The aggregate aboveground oil storage capacity increased to more than 10,000 U.S. gallons as a result of the change	☐ Yes ☐ No ☐ NA
If **YES**	*The facility no longer meets the Tier II qualifying criteria in §112.3(g)(2) because it exceeds 10,000 U.S. gallons in aggregate aboveground storage capacity.*	
	The owner/operator prepared and implemented a Plan within 6 months following the change and had it certified by a PE under §112.3(d)	☐ Yes ☐ No ☐ NA
112.6(b)(3)	**Plan Deviations:** Does the Plan include environmentally equivalent alternative methods or impracticability determinations for secondary containment?	☐ Yes ☐ No ☐ NA
If **YES**	Identify the alternatives in the hybrid Plan:	
	• Environmental equivalent alternative method(s) allowed under §112.7(a)(2);	☐ Yes ☐ No ☐ NA
	• Impracticability determination under §112.7(d)	☐ Yes ☐ No ☐ NA
112.6(b)(4)	• For each environmentally equivalent measure, the Plan is accompanied by a written statement by the PE that describes: the reason for nonconformance, the alternative measure, and how it offers equivalent environmental protection in accordance with §112.7(a)(2);	☐ Yes ☐ No ☐ NA
	• For each secondary containment impracticability determination, the Plan explains the reason for the impracticability determination and provides the alternative measures to secondary containment required in §112.7(d)	☐ Yes ☐ No ☐ NA
	AND	
(i)	PE certifies in the Plan that:	
(A)	He/she is familiar with the requirements of 40 CFR Part 112	☐ Yes ☐ No ☐ NA
(B)	He/she or a representative agent has visited and examined the facility	☐ Yes ☐ No ☐ NA
(C)	The alternative method of environmental equivalence in accordance with §112.7(a)(2) or the determination of impracticability and alternative measures in accordance with §112.7(d) is consistent with good engineering practice, including consideration of applicable industry standards, and with the requirements of 40 CFR Part 112.	☐ Yes ☐ No ☐ NA

mments: The capacity of the facility does not qualify it as a Tier II facility.

[19] Note that only the person certifying the Plan can make the site visit

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ATTACHMENT E: ADDITIONAL COMMENTS

Coastal Energy Corporation (Coastal) owns and operates a 2.8 million gallon bulk oil storage facility in Willow Springs, Missouri. The facility was targeted for inspection to determine whether the facility was subject to the Facility Response Planning (FRP) requirements of 40 CFR Part 112.

Based on a review of the facility's SPCC plan and a site inspection conducted on February 10, 2014, the facility meets the substantial harm criteria with regard to threat to fish, wildlife and sensitive environments and the facility is subject to FRP regulation.

The SPCC plan's Certification of Substantial Harm states that the facility does not pose a threat of substantial harm. This finding was based on an improper assumption that a general secondary containment berm surrounding the facility would prevent a worst-case discharge from entering the nearby Eleven Point River, a nationally protected wild and scenic river managed by the U.S Forest Service.

Other significant SPCC Plan Review and Site Inspection findings are summarized below:

- The SPCC plan dated December 2009 is out of date and does not accurately describe the current operation.
    - Ten additional bulk storage tanks have been added and two tanks were either removed or where never installed since the 2009 plan was signed.
    - Facility inspections as described in the plan are not conducted and no inspection records are maintained as described in the plan.
    - Training as described in the plan is not conducted and no training records are maintained.
    - Drainage discharge procedures described in the plan are not followed and no records are maintained.
- Twenty four bulk storage tanks holding asphalt liquid (> 2.4 million gallon capacity) lack specific (sized) secondary containment. Containment for these tanks is provided by general secondary containment berm that surrounds the property.
- The facility has had to alter their drainage discharge procedures at the state's direction to land apply accumulated runoff. This process has been automated which does not allow for inspection of accumulated runoff for evidence of oil before discharge. The SPCC plan was never revised to reflect this change in procedure.
- A re-inspection of the facility determined that the berm surrounding the property that purportedly provides general and sized secondary containment for the site, asphalt tanks and loading racks does not exist as described in the plan.

ATTACHMENT F: PHOTO DOCUMENTATION NOTES

Photo#	Photographer Name	Time of Photo Taken	Compass Direction	Description
1	Paul Doherty, EPA	PM 3/18/2014	North	View of entrance road from inside the facility. There is no berm at this end of the facility and drainage could flow north towards the gate and drain into the Eleven Point River which flows adjacent to the road next to (right of) the property fence.
2	Paul Doherty, EPA	PM 3/18/2014	South	View of the entrance gate leading into the facility.
3	Paul Doherty, EPA	PM 3/18/2014	North	View of the entrance gate from across the rail spur. The rail spur is considered part of the five foot containment berm for the asphalt tanks and loading racks.
4	Paul Doherty, EPA	PM 3/18/2014	Northwest	View of the main rail line running along the west side of the property. The rail bed is considered part of the five foot containment berm for the asphalt tanks and loading racks.
5	Paul Doherty, EPA	PM 3/18/2014	Southeast	View of the main rail line running along the west side of the property. The rail bed is considered part of the five foot containment berm for the asphalt tanks and loading racks. The effectiveness of railroad bed ballast as a containment berm material is questionable.
6	Paul Doherty, EPA	PM 3/18/2014	East	View of the "berm" along the south side of the property. There is a noticeable swale at the edge before the slope drops off into an adjacent creek. The elevation change is less than 2 feet, rather than 5 feet.
7	Paul Doherty, EPA	PM 3/18/2014	North	View of the graveled area where drainage water is land applied under a state discharge permit. This area is described as secondary containment for the asphalt tanks and loading racks.
8	Paul Doherty, EPA	PM 3/18/2014	West	View of the service road that crosses the creek at the southeast end of the facility. There is no discernible berm in the area that would prevent runoff from draining into the creek.
9	Paul Doherty, EPA	PM 3/18/2014	Northwest	View of the facility from the southeast corner of the property by the service road creek crossing.
10	Paul Doherty, EPA	PM 3/18/2014	South	View of erosion at the southeast service road creek crossing. No berm is present to prevent the erosion from occurring.
11	Paul Doherty, EPA	PM 3/18/2014	North	View of erosion at the southeast service road creek crossing looking northwest back towards the loading racks and the creek.
12	Paul Doherty, EPA	PM 3/18/2014	Southeast	View of the end of the rail spur. No berm separates the southeast end of the property and the Eleven Point River, to the left.
13	Paul Doherty, EPA	PM 3/18/2014	Northeast	View of the bank of the Eleven Point River along the southeast edge of the property. A noticeable swale is present but not the described 5 foot berm.
14	Paul Doherty, EPA	PM 3/18/2014	Northwest	View of the swale that runs along the east side of the property that separates the facility from the Eleven Point River. To describe the swale as a 5 foot berm is inaccurate.
15				Aerial view of facility and possible flow paths for surface drainage to reach jurisdictional surface water.

Photo: # 1 Site: Coastal Energy Corp., Willow Springs, MO Date: 3/18/2014 Time: PM
Direction: North Photographer: Paul Doherty, EPA Witness: Gary Picard, Coastal Energy Corp.
Description: View of entrance road from inside the facility. There is no berm at this end of the facility and drainage could flow north towards the gate and drain into the Eleven Point River which flows adjacent to the road next to (right of) the property fence.

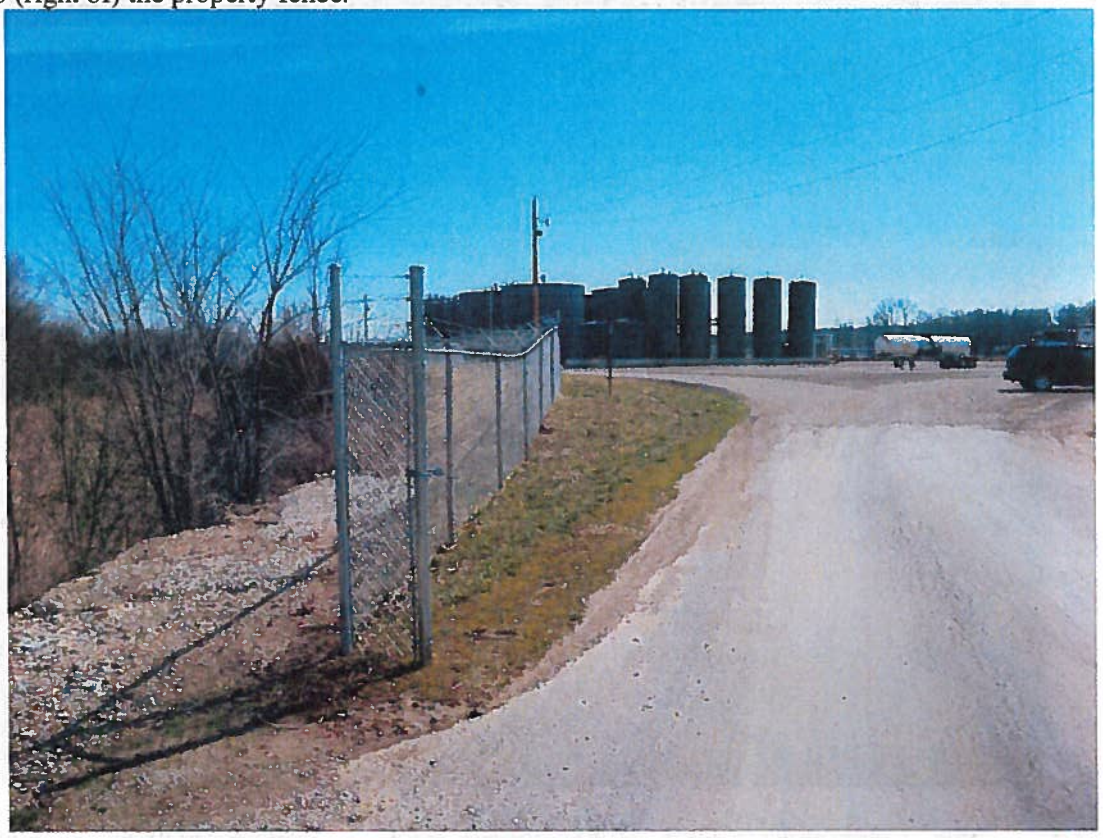

Photo: # 2 Site: Coastal Energy Corp., Willow Springs, MO Date: 3/18/2014 Time: PM
Direction: South Photographer: Paul Doherty, EPA Witness: Gary Picard, Coastal Energy Corp.
Description: View of the entrance gate leading into the facility. The Eleven Point River is to the left.

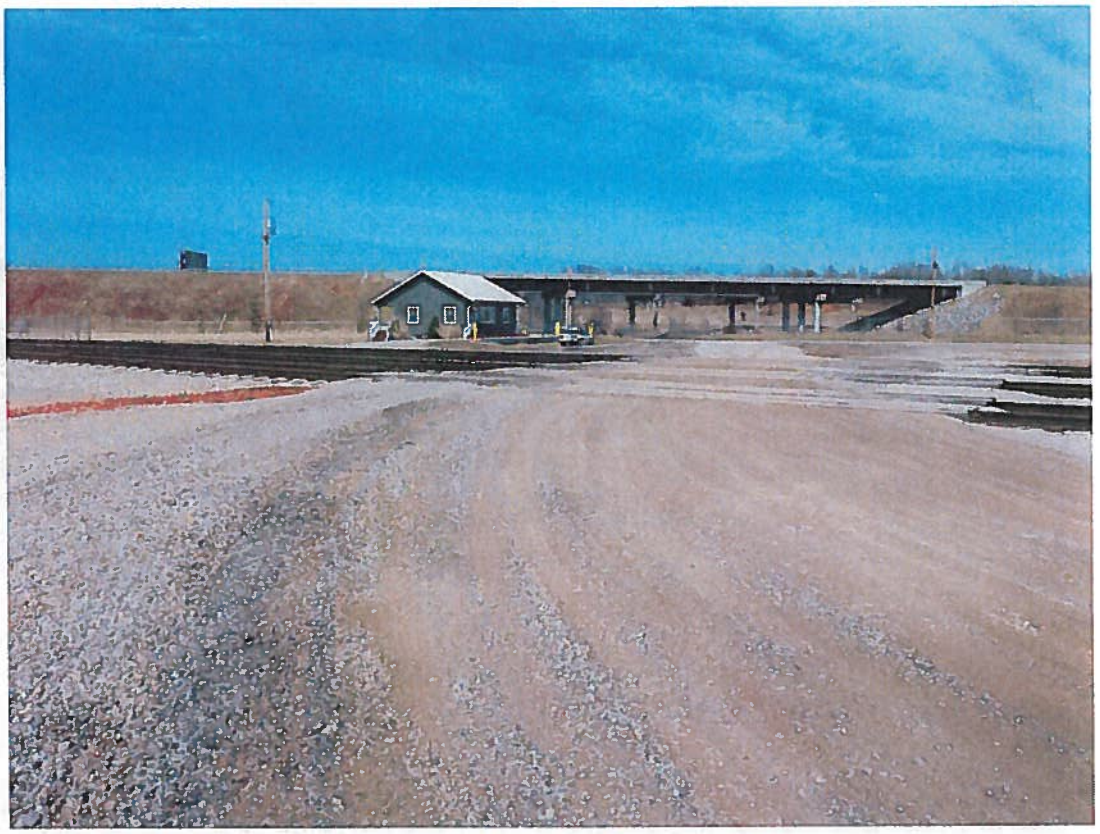

Photo: # 3 Site: Coastal Energy Corp., Willow Springs, MO Date: 3/18/2014 Time: PM
Direction: North Photographer: Paul Doherty, EPA Witness: Gary Picard, Coastal Energy Corp.
Description: View of the entrance gate from across the rail spur. The rail spur is considered part of the five foot containment berm for the asphalt tanks and loading racks.

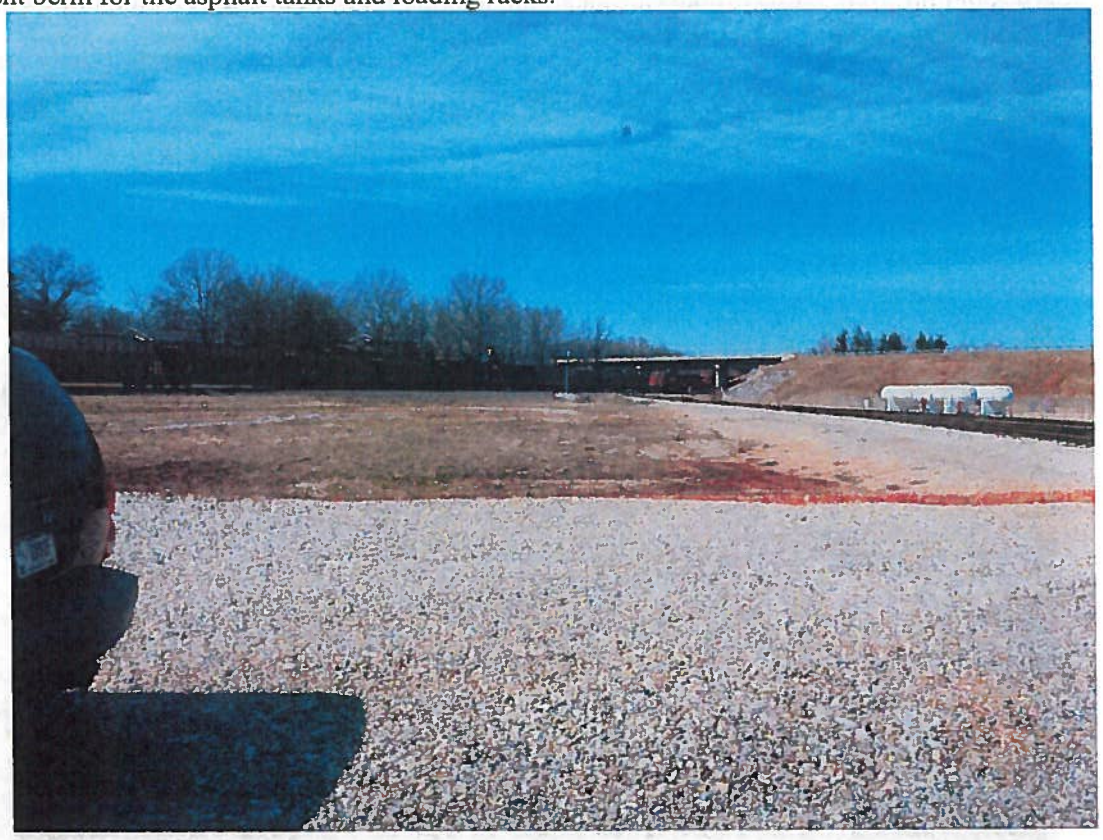

Photo: # 4 Site: Coastal Energy Corp., Willow Springs, MO Date: 3/18/2014 Time: PM
Direction: Northwest Photographer: Paul Doherty, EPA Witness: Gary Picard, Coastal Energy Corp.
Description: View of the main rail line running along the west side of the property. The rail bed is considered part of the five foot containment berm for the asphalt tanks and loading racks.